# JTA 4.0 D1 MASTER CHANGE REQUEST DATABASE (BY SECTION)

| Sponsor & Number | JTA Version | JTA Section | Change Request and Suggested Revision | Rationale | Subgroup Recommended Action | JTADG Approval Action | From Whom? | Sent by |
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| OASD 01 | 3.0 | 1.0 | Change first sentence in first paragraph in Section 1 to read: "Warfighter battlespace is complex and dynamic, requiring timely and informed decisions by all levels of military command." | "The Department of Defense (DoD)…" deleted because the warfighter battlespace extends beyond DoD. "informed" replaces ""clear" because clear decisions relates to the capability of the decision maker; informed is the real meaning to be made. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 02 | 3.0 | 1.0 | Change second sentence in second paragraph in Section 1 to read: "They must be able to obtain and use intelligence from national, theater, and coalition assets that may be widely dispersed geographically." | Coalition assets must be included for completeness. Widely dispersed geographically more clearly states the meaning. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 23 | 3.0 | 1.0 | Delete the quotation marks in the first sentence in the fourth 1.3 paragraph. | Unnecessary. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 03 | 3.0 | 1.1 | Replace Figure 1-1 with attached. See "OASD03.DOC" | "User Interfaces" is added to the middle, top box to complete the listing. The "Supporting Activities" and the list that follows defines the "Split Base/Reachback" notation under CONUS. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 04 | 3.0 | 1.1 | In the first paragraph following Figure 1-1, change "permits" in second line in first paragraph to "facilitates." | Better characterization of what the JTA accomplishes. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 05 | 3.0 | 1.1 | In the third bullet in the paragraph preceding paragraph 1.1 add at the beginning of the first sentence the word "Standardized…" | "Standardization" supports the JTA mandate. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 06 | 3.0 | 1.1 | In the third bullet in the paragraph preceding paragraph 1.1 change the word "Assets" to "Capabilities" in the first sentence. | Capabilities does not infer products whereas assets could. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 08 | 3.0 | 1.1.1 | Change second bullet in paragraph 1.1.1 to read "Mandates IT standards and guidelines for DoD system development and acquisition that will facilitate standardization and interoperability in joint and coalition force operations…" | Supports JTA mandate on standardization and interoperability (See JTA V2.0 Letter of Promulgation.) | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 07 | 3.0 | 1.1.1 | Change first sentence in paragraph 1.1.1 to read "A foremost objective of the JTA is to improve and facilitate the ability of our systems to support joint and combined | Supports JTA mandate on affordability (See JTA V2.0 Letter of Promulgation.) | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |

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| | | | operations within an overall business case investment strategy." | | | | | |
| USAF 01 | 3.0 | 1.1.2 | Revise end of first sentence to read "...open systems, commercial product availability, and changing requirements." | Update of the document should be driven by changing DoD requirements not just the changes in technology. Requirements should drive updates to ensure technology is fielded to support the warfighter. | | | AFCA, Mr. Mark G Heffron | Jeffery Keith Keith.Jeffery @scott.af.mil |
| OASD 09 | 3.0 | 1.1.2 | Change next to last sentence in second 1.1.2 paragraph to read "The JTA is critical to achieving the envisioned objective of a cost-effective, seamlessly integrated environment." | Improves clarity. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| USAF 02 | 3.0 | 1.1.3 | Delete the first sentence. | It is redundant to the last part of the current third sentence of that same paragraph. | | | AFCA, Mr. Mark G Heffron | Jeffery Keith Keith.Jeffery @scott.af.mil |
| OASD 10 | 3.0 | 1.1.3 | Replace first 1.1.3 paragraph totally with "The use of applicable JTA mandated standards, is required for all emerging capabilities, or changes to an existing capability that produces, uses, or exchanges information in any form electronically; crosses a functional or DoD Component boundary; and gives the warfighter or DoD decision maker an operational capability. Implementation of the JTA is required for all DoD Acquisition Catagories, and all other non-traditional (e.g., Defense Information Infrastructure (DII) Common Operating Environment (COE)), systemic (e.g., Joint Airborne SIGINT Architecture (JASA)), or non-DoD 5000 series acquisitions (e.g., procurement of Information Technology services, CINC Initiatives) that meet these criteria. In addition, implementation of the JTA is required for pre-acquisition programs such as: Advanced Concept Technology Demonstration (ACTDs), Advanced Technology Demonstrations (ATDs), Joint Warrior Interoperability Demonstrations (JWIDs), 'Exploitation-year', and Battle Laboratory projects that meet these criteria. The mandatory standards in the JTA must | Completeness. By placing the policies expressed in the implementation memoranda accompanying earlier versions, the need for a separate letter of promulgation and implementation guidance is negated. (See JTA V2.0 Letter of Promulgation.) | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |

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| | | | be implemented or used by systems that have a need for the corresponding service areas. A standard is mandatory in the sense that if a service/interface is going to be implemented, it shall be implemented in accordance with the mandated standard. If a required service can be obtained by implementing more than one standard (e.g., operating-system standards), the appropriate standard should be selected based on system requirements. If a system or capability does not have a need for a service, the standard(s) mandated in the JTA for that service need not be implemented. | | | | | |
| OASD 11 | 3.0 | 1.1.4 | In the fourth 1.1.4 paragraph, , the last line, change "Upgraded" to "Upgrading." | Participial adjective form is more correct. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 12 | 3.0 | 1.1.4 | In the fifth 1.1.4 paragraph, change the last sentence to read "The applicability and scope of Version 2.0 of the JTA was expanded to include the information technology in all DoD systems." | The addition of the scope provides completeness. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 13 | 3.0 | 1.1.4 | In sixth 1.1.4 paragraph change the last sentence to read "…JTA Version 3.0 attempts to integrate references to standards throughout the document in an automated fashion with reference information found in Appendix B." | The effort is more correctly stated. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| USAF 03 | 3.0 | 1.1.5.1 | Replace with the following: 1.1.5.1 Operational Architecture View The operational architecture (OA) view is a description of the tasks and activities, operational elements, threat, and information requirements needed to accomplish or support a military operation. It contains descriptions (often graphical) of the operational elements, threat potential/methodology, assigned tasks and activities, and information flows required to support the warfighter. It defines the types of information exchanged, the frequency of exchange, end to end timing/latency considerations, which tasks and activities are supported by the information exchanges, and the nature of information | The threat is a very real issue that must be addressed in order that we work all the systems issues. Internet centric security is meaningless for issues that include jamming, trojan horses, etc that must be planned for. The operational view should generate requirements that must be met. Without requirements, we have no means of assessing how much it will cost and we have no hope of deriving the requirements for the technical architecture | | | ASC/ENAS, Mr. William Wilson | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | exchanges in detail sufficient to derive specific interoperability requirements in support of the technical view. | view. Once of the basic problems with information is the end to end timing/latency of each piece of data that insures that the data will be fresh or at least bounded. We need to understand what the current process supports so that we may target specific areas for improvement. A mechanism must also be in place to insure that latency is maintained within acceptable bounds. The relationship between each of the views has to be based partly on requirements in order to develop the schedule, performance, and cost information needed to make interoperability a real implementation. The operational requirements must be detailed enough to support deriving lower level requirements for the technical view. | | | | |
| USAF 04 | 3.0 | 1.1.5.2 | Replace paragraph with the following: 1.1.5.2 Technical Architecture View The technical architecture (TA) view is the minimal set of requirements based rules governing the arrangement, interaction, and interdependence of system parts or elements, whose purpose is to ensure that a conformant system meets the requirements for interoperability. The technical architecture view provides the technical systems-implementation guidelines and requirements upon which engineering specifications are based, common building blocks are established, and product lines are developed. The technical architecture view includes a collection of requirements based technical standards, conventions, rules and criteria organized into profile(s) | The technical architecture view must support trades between cost, performance, and schedule and aid in the verification of performance. The only known method for achieving this objective is through requirements definition and application. | | | ASC/ENAS, Mr. William Wilson | Jeffery Keith Keith.Jeffery @scott.af.mil |

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| | | | that govern system services, interfaces, and relationships for particular systems architecture views and that relate to particular operational views. | | | | | |
| DISA 12 | 3.0 | 1.1.5.3 | Change Footnote 1, page 6, to the same as that specified in the Appendix F: Glossary so it reads: "- People, machines, and methods organized to accomplish a set of specific functions. (FIPS 11-3)." to "- An integrated composite of people, products, and processes that provides a capability or satisfies a stated need or objective. (DoD 5000.2)." | The same definition should be used in both places. Let's choose one. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| USAF 05 | 3.0 | 1.1.5.3 | Replace this paragraph with the following: 1.1.5.3 Systems Architecture View The systems architecture (SA) view is a description, including graphics, of systems and interconnections providing for, or supporting, warfighting functional requirements. For a domain, the systems architecture view shows how multiple systems link and interoperate, and may describe the internal construction and operations of particular systems within the architecture. For the individual system, the systems architecture view includes the physical connection, location, and identification of key nodes (including materiel-item nodes), circuits, networks, warfighting platforms, etc., and it specifies system and component performance parameters (e.g., maintainability, availability). The systems architecture view associates physical resources and their performance attributes to the operational view and its requirements following standards defined in the technical architecture. | Removed mean time between failure since this is redundant to maintainability and availability. Functional requirements was added so that we can trade cost and performance and so that we can verify that we had met our objectives. | | | ASC/ENAS, Mr. William Wilson | Jeffery Keith Keith.Jeffery@scott.af.mil |
| OASD 15 | 3.0 | 1.1.5.4 | Replace the last sentence in paragraph 1.1.5.4 with "… Standards chosen from the JTA and other sources to meet system and operational requirements form the Technical Architecture View." | "Form" replaces ""Are incorporated" as a better descriptor. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 14 | 3.0 | 1.2 | Replace Figure 1-2 with the attached. See "OASD14.DOC" | Provides a better view of how the JTA fits into the | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |

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| | | | | architectures (Replaces the figure from the C4ISR Architecture Framework). | | | | |
| USAF 06 | 3.0 | 1.2.2 | Section 2 should be restructured to include only Information Processing standards and Sections 3-6 should be added back in with the appropriate standards, with current 2.3 standards mapping to the new Section 3, etc. The end result of this restructuring should be that the JTA Core document is structured as it was in Version 1. This will make it very clear that future updates of the JTA will continue to contain only information technology standards, and will continue to promote the JTA community familiarity with the numbering of the sections of the JTA. Accomplishing this a new overall structure is very straightforward: it is necessary to simply re-label the paragraphs in Section 2.2 through 2.6 by removing one level of paragraph numbering (the first "2." in each subsection number. This would result in a more neatly balanced document without disruption to the whole JTA community. It is highly recommended that this approach be taken and JTA be renumbered accordingly. [Note: limitations of space do not allow including all the detail of the proposed changes in this comment. Attachment to be mailed NLT 28 Jan 2000] | In JTA Version 1.0, Sections 2 through 6 were each devoted to a specific subset of Information Technology Standards. In order to make room for then-planned expansion into other technology areas, the structure was changed for JTA 2.0, so that all Information Technology standards were contained in JTA Section 2, with subsections (i.e., 2.2, 2.3, etc.) mapping to the old Sections 2 through 6. The previous intent to "extend the scope ... into other technology areas." is no longer planned. But it continues to be reflected in the structure of JTA Version 3.0. This makes for an awkwardly structured document. However, even through the Version 2.0 restructuring, the JTA community familiarity with the original numbering scheme was able to be retained. In JTA 2.0, Section 2.2 addressed the same service areas as JTA 1.0 Section 2; JTA 2.0 Section 2.3 addressed the same service areas as JTA 1.0 Section 3; and similarly with the other sections. Standards in Section 2.2 were often referred to as "Section 2 standards", keeping the familiar section numbers in discussions. A | W (Withdrawn by Author) 21 JAN 2000 ========== | | [SMC/AX-Kerner-1] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery @scott.af.mil |

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| | | | | restructure of the JTA was considered for JTA Version 3.0. One of the later drafts of JTA Version 3.0 included a proposed restructuring, but it began with more general Sections 1 and 2, and then continued with Section 3 addressing Information Processing, and Section 4 addressing Information Transfer, through Section 7 on Information Security. This approach to renumbering is likely to cause a great deal of disruption, which was not really the case with the Version 2.0 restructuring. If this approach were adopted, then, for example, the standards that have been widely referred to as "the Section 5 standards" would move to a new Section 6, and the standards that used to be "the Section 6 standards" would now be in Section 7, causing the entire JTA community to change the way they think about and refer to all the standards in the Core. Additionally, to the extent that the annexes are currently structured to map easily to the JTA Core, they would need to be restructured too. | | | | |
| OASD 18 | 3.0 | 1.2.3 | Change “annex” in paragraph 1.2.3 in the first paragraph after Figure 1-3 to “annex(es)” | Allow for multiple applicable standards in various locations. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 17 | 3.0 | 1.2.3 | Change the first and third sentences in paragraph 1.2.3 to insert the words “…standardization and…” between “…support…” and “…interoperability…”“ | Completeness by including standardization and consistent with paragraph 1.1.1 (OASD 5 and OASD 16). | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |

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| OASD 16 | 3.0 | 1.2.3 | Change to the first sentence in paragraph 1.2.3 to read “The JTA Core contains the common service areas, interfaces, and standards (JTA elements) applicable to all DoD systems to support standardization and interoperability.” | Completeness by including standardization and consistent with paragraph 1.1.1 (OASD 5 and OASD 17). | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 20 | 3.0 | 1.3 | Change the second sentence in the second 1.3 paragraph to “For a more complete description of the DoD TRM and service areas, refer to Section 2.1.2.1.” | Better describes the reference. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| NRO 4076 | 3.0 | 1.3 | After the second sentence of the third paragraph add the following: “The JTA may list multiple standards for individual service areas. For these cases it is not required that the developer implement all standards listed. A subset should be selected based on technical merit, interoperability and design/cost constraints.” | Clarification how the JTA should be applied for the case of multiple standards for a single service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| OASD 19 | 3.0 | 1.3 | Change the first 1.3 paragraph to “In general, the JTA is used to determine the mandated standards within applicable service areas for implementation within new or upgrading systems.” | Recommended text adds the policies expressed in the implementation memoranda accompanying earlier versions and negates the need for a separate letter of promulgation and implementation guidance. (See JTA V2.0 Letter of Promulgation.) | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| USAF 07 | 3.0 | 1.3 | After the second sentence of the third paragraph add the following: "The JTA may list multiple standards for individual service areas. For these cases it is not required that the developer implement all standards listed. A subset should be selected based on system requirements and interoperability" | Clarifies how the JTA should be applied for the case of multiple standards for a single service area. Wording is based on a similar statement provided in the Space Reconnaissance Subdomain Annex. | | | [SMC/MT-Murrell-1] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| OASD 25 | 3.0 | 1.3 | Add a sixth 1.3 paragraph to read “The JTA shall be used by anyone involved in the management, development, or acquisition of new or improved systems within DoD. Specific guidance for implementing the JTA will be provided in separate DoD Component JTA implementation plans. Operational requirements developers shall be cognizant of the JTA in developing | Recommended text adds the policies expressed in the implementation memoranda accompanying earlier versions and negates the need for a separate letter of promulgation and implementation guidance. (See JTA V2.0 Letter of | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |

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| | | | requirements and functional descriptions. System developers shall use the JTA to facilitate the achievement of interoperability for new and upgrading systems (and the interfaces to such systems). System integrators shall use it to foster the integration of existing and new systems. Each DoD Component and cognizant OSD authority is responsible for implementation of the JTA, to include compliance assurance, programming and budgeting of resources, and scheduling. Use of an applicable JTA mandated standard must consider the cost, schedule, or performance impacts, and if warranted a waiver from use granted. Only the Component Acquisition Executive, or cognizant OSD authority can grant a waiver from the use of an applicable JTA mandated standard. All waivers shall be submitted to the USD(A&T) and ASD(C3I) (the DoD Chief Information Officer (CIO)) for concurrence. Both USD(A&T) and ASD(C3I) (DoD CIO) concurrence can be assumed if no response is received two weeks after the date of receipt. All requests for waiver must be accompanied by the identification of cost, schedule, and performance impacts that will occur if waiver is not granted. To preclude the granting of duplicative waivers, caused by implementing this and other OSD mandates, the organization responsible for systemic implementations of the JTA (that is: DISA for DII COE; NSA for the JASA; BMDO for the standards in the Missile Defense subdomain, and DMSO for the standards in the Modeling and Simulation domain) will review all requests for waiver within their respective domains, and forward said requests with their recommendation to USD(A&T) and ASD(C3I) for concurrence. " | Promulgation.) (See OASD 22) | | | | |
| OASD 24 | 3.0 | 1.3 | Add another sentence at the end of the fourth 1.3 paragraph to read "Legacy standards are those standards that are not currently mandated in the JTA and have been chosen for implementation or implemented in systems that have passed | Recommended text adds the policies expressed in the implementation memoranda accompanying earlier versions and negates the need for a separate letter of | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |

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| | | | the design freeze point in their life-cycles." If cited, requirements documents not identified in the JTA should complement, and not conflict with, the JTA Core and applicable domain and subdomain annexes. | promulgation and implementation guidance. (See JTA V2.0 Letter of Promulgation.) | | | | |
| OASD 21 | 3.0 | 1.3 | Combine the first and second 1.3 paragraphs. | Combines the significant point being made in a more understandable way. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| OASD 22 | 3.0 | 1.3 | Delete the third 1.3 paragraph. | With acceptance of OASD 25, this paragraph becomes redundant. | | | Zavin OASD (C3I) | Zavinj@osd.pentagon.mil |
| DISA 39 | 3.0 | 1.7 | Change "JTA-comment" to "JTA-CR" | A terminology change has been made. We are now submitting Change Requests and not Comments. Note that the e-mail address will have to be changed to reflect this change. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 30 | 3.0 | 1.7 | Delete the line for Assistant Secretary of Defense (C3I). Add after NSA: "Office of the Assistant Secretary of Defense (C3I)." | This should have been added into Version 3.0 | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| TRMWG 01 | 3.0 | 2.0 | Section 2.2.2.1, change date and version of DoD TRM to Version 1.0, 5 November 1999 | To ensure reference to the most recent version of the TRM. | | | TRMWG Chair | wongw@ncr.disa.mil |
| NIMA 4010 | 3.0 | 2.1.2.1 | DoD Technical Reference Model (DoD TRM). The second paragraph of the section needs to be updated to show how Application Software Entity standards are covered. | Support Applications (in ASE layer) are addressed in section 2.2.3.6 | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| DISA 14 | 3.0 | 2.1.2.1. | Line 11: Change the word 'between' to 'among.' | 'Between' is used for two items; 'among' is correct grammar for three or more items. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| NIMA 4011 | 3.0 | 2.1.2.2.1 | Year 2000 Compliance. Remove entire section from JTA. This section was incorporated into JTA 2.0 and 3.0 because of the vital need to educate the DoD acq. Community and to ensure that adequate compliance language appeared in contracts. | This section has now outlived its intended purpose. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| USAF 08 | 3.0 | 2.1.2.2.2 | Defense Information Infrastructure Common Operating Environment, Integration and Runtime Specification (I&RTS), Version 3.1, 1 October 1998 is referenced. Correct the reference to Version 4.0, October 25 1999 (CM-28667). | I&RTS Version 4.0 is the current approved version; Version 3.1 has been superseded. | | | [SMC/AX-Walker-1] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| DISA 01 | 3.0 | 2.1.2.2.2 | Merge the first 4 sentences of the last paragraph to read as follows: "Each DII COE version release contains products which meet the operational requirements of the user community, but do not implement all possible functionality for operational systems. System implementors are responsible for assuring that functionality beyond that provided by COE components is JTA compliant." | Replaced text ("These products are not necessarily fully compliant with JTA standards.") is out of scope for JTA. The implementation memos for JTA ver. 2 and 3 establish authorities and methods to 1) establish applicability of JTA standards and 2) resolve compliance issues. Specific compliance issues should be submitted to the approved process (in this case, the COE TWGs and AOG) for authoritative resolution. | | | Fritz Schulz | Fritz Schulz SchulzF@ncr.disa.mil |
| NRO 4074 | 3.0 | 2.1.2.2.2 | Update stand to: "..version 4.0, 25 October 1999 (CM-28667)" | DII COE has updated the I&RTS. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| DISA 26 | 3.0 | 2.2-1 | Change 'AutoCad' to 'AutoCAD." | 'AutoCAD' is the correct use of this trademark. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 27 | 3.0 | 2.2-1 | Add the Registered Trademark designations to Table 2.2-1 as appropriate. | These are required to prevent legal problems. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| NSA 27 | 3.0 | 2.2.2 | Change Reference to Appendix B to reflect change in title. (See NSA 26) | Appendix C contains the Sources. This makes the reference consistent. | | | | |
| DISA 36 | 3.0 | 2.2.2.2.1.1.1 | Add The following Mandated bullet: "IEEE 12207.0-1996 Standard for Industry Implementation of International Standard ISO/IEC 12207:1995 (ISO/IEC 12207) Standard for Information Technology--Software life cycle processes IEEE/EIA 12207.1-1997 Guide--Industry Implementation of International Standard ISO/IEC 12207:1995 (ISO/IEC 12207) Standard for Information Technology--Software life cycle processes--Life cycle data IEEE/EIA 12207.2-1997 Guide--Industry Implementation of International Standard ISO/IEC 12207:1995 (ISO/IEC 12207) Standard for Information Technology--Software life cycle processes-- | Rationale: This is a replacement for 498, and IEEE Spectrum identified the problem associated with the first Mars Lander failure as being undocumented software. | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |

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| | | | Implementation considerations" | | | | | |
| DISA 37 | 3.0 | 2.2.2.2.1.1.1 | Add The following Mandated bullet: "EIA/IEEE J-STD-016-1995 Interim Standard for Information Technology Software Life Cycle Processes Software Development Acquirer-Supplier Agreement." | Rationale: This is a commercial replacement for the cancelled 498 specification. Note that IEEE Spectrum identified the problem associated with the first Mars Lander failure as being undocumented software. | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| NIMA 4016 | 3.0 | 2.2.2.2.1.1.1.2 | Distributed Object Computing. OMG has released a minor update to the CORBA specification, version 2.3.1, formal/99-10-07. This release is purely editorial and contains no technical changes/enhancements | Maintain currency; no technical impact | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4017 | 3.0 | 2.2.2.2.1.1.1.2 | Distributed Object Computing. OMG has released a errata to the COM/CORBA Interworking specification. Orbos/97-09-17, Errata to the revised COM/Joint Revised Submission. | Maintain currency; no technical impact | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NRO 4010 | 3.0 | 2.2.2.2.1.2 | Update and move "C507, Window Management (X11R5): X Window System Protocol, Open Group Technical Standard, ISBN 1-85912-087-3, May 95" into section 2.2.2.2.1.2.1 | regroup and update reference date | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4011 | 3.0 | 2.2.2.2.1.2 | Update and move "C508, Window Management (X11R5): Xlib-C Language Binding, Open Group Technical Standard, ISBN 1-85912-088-1, May 95 " into section 2.2.2.2.1.2.1 | regroup and update reference date | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4012 | 3.0 | 2.2.2.2.1.2 | Update and move "C509, Window Management (X11R5): X Toolkit Intrinsics, Open Group Technical Standard, ISBN 1-85912-089-X, May 95" into section 2.2.2.2.1.2.1 | regroup and update reference date | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4013 | 3.0 | 2.2.2.2.1.2 | Update and move "C510, Window Management (X11R5): File Formats and Application Conventions, Open Group Technical Standard, ISBN 1-85912-090-3, May 95" into section 2.2.2.2.1.2.1 | regroup and update reference date | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4015 | 3.0 | 2.2.2.2.1.2 | Add "C321, Calendaring and Scheduling API (XCS), Open Group Technical Standard, ISBN 1-85912-076-8, April 95 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4073 | 3.0 | 2.2.2.2.1.2 | Change all instances of "Open Software | The Open software | | | Bowser | Bowser |

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| | | | Foundation (OSF)" to "The Open Group" | Foundation merged with Open Group and all the standards now are published by The Open Group | | | | Samuel.E.Bowser@aero.org |
| NRO 4034 | 3.0 | 2.2.2.2.1.2 | Delete current standard "Window Management and Graphics Device Interface, Volume 1 Microsoft Win32 Programmers Reference Manual, 1993 or later, Microsoft Press." Replace with: "Microsoft Win32 Developer's Reference Library, David Iseminger (Editor), Microsoft Press Nov. 1999 ISBN 0735608164." | The current standard is no longer available from Microsoft Press and has been replaced by the recommended new standard. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4033 | 3.0 | 2.2.2.2.1.2 | Add section 2.2.2.2.1.2.2 User Interface Service – Win32. And add the following text: "User Interface API Services defines the software interfaces needed to control user interfaces with an information technology system. The Win32 Application Program Interface (API) set provides these services for Microsoft Windows and Windows-compliant applications." | partitions User Interface Services into two parts to provide better user understanding of the service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4032 | 3.0 | 2.2.2.2.1.2 | Add "M024C: CDE 2.1 Programmer's Reference, Volume 3, Open Group Product Documentation, ISBN 1-85912-174-8, October 1997 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4031 | 3.0 | 2.2.2.2.1.2 | Add "M024B: CDE 2.1 Programmer's Reference, Volume 2, Open Group Product Documentation, ISBN 1-85912-193-4, October 1997 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4009 | 3.0 | 2.2.2.2.1.2 | Add section 2.2.2.2.1.2.1 User Interface Service – POSIX. And add the following text: "The Common Desktop Environment (CDE) provides a common set of desktop applications and management capabilities for use with Portable Operating System Interface (POSIX)-based operating systems. CDE supports The Open Group Motif-based application execution. Both CDE and Motif applications use the underlying X-Windows system. The following standards are mandated for use with Portable Operating System Interface (POSIX)-compliant operating systems running (or intended to run) POSIX-compliant applications: " | partitions User Interface Services into two parts to provide better user understanding of the service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4029 | 3.0 | 2.2.2.2.1.2 | Move "M216: Motif 2.1 – Widget Writer's | regrouping standard into new | | | Bowser | Bowser |

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|---|---|---|---|---|---|---|---|---|
| | | | Guide, Open Group Product Documentation, ISBN 1-85912-129-2, October 1997 into section 2.2.2.2.1.2.1 | partition | | | | Samuel.E.Bowser@aero.org |
| NRO 4014 | 3.0 | 2.2.2.2.1.2 | Add “C320, Motif Toolkit API, Open Group Technical Standard, ISBN 1-85912-024-5, April 95 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4016 | 3.0 | 2.2.2.2.1.2 | Add “C323, XCDE Services and Applications Open Group Technical Standard, ISBN 1-85912-074-1, April 1995 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4017 | 3.0 | 2.2.2.2.1.2 | Add “C324, XCDE Definitions and Infrastructure, Open Group Technical Standard, ISBN 1-85912-070-9, April 1995 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4018 | 3.0 | 2.2.2.2.1.2 | Move “M021: CDE 2.1/Motif 2.1 User’s Guide, Open Group Product Documentation, ISBN 1-85912-173-X, October 1997” into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4019 | 3.0 | 2.2.2.2.1.2 | Add “M022: CDE 2.1 System Manager's Guide, Open Group Product Documentation, ISBN 1-85912-1783-0, October 1997 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4020 | 3.0 | 2.2.2.2.1.2 | Add “M023: CDE 2.1 Programmer's Overview and Guide, Open Group Product Documentation, ISBN 1-85912-183-7, October 1997 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4021 | 3.0 | 2.2.2.2.1.2 | Add “M026: CDE 2.1 Application Developer's Guide, Open Group Product Documentation, ISBN 1-85912-198-5, October 1997 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4022 | 3.0 | 2.2.2.2.1.2 | Move “M027: CDE 2.1/Motif 2.1 – Style Guide and Glossary, Open Group Product Documentation, ISBN 1-85912-104-7, October 1997 into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4023 | 3.0 | 2.2.2.2.1.2 | Move “M028: CDE 2.1/Motif 2.1 – Style Guide Certification Check List, Open Group Product Documentation, ISBN 1-85912-109-8, October 1997 into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4024 | 3.0 | 2.2.2.2.1.2 | Move “M029: CDE 2.1/Motif 2.1 – Style Guide Reference, Open Group Product Documentation, ISBN 1-85912-114-4, October 1997 into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4025 | 3.0 | 2.2.2.2.1.2 | Move “M213: Motif 2.1 – Programmer’s Guide, Open Group Product Documentation, | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bo |

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| | | | ISBN 1-85912-134-9, October 1997 into section 2.2.2.2.1.2.1 | | | | | wser@aero.org |
| NRO 4026 | 3.0 | 2.2.2.2.1.2 | Move “M214A: Motif 2.1 – Programmer’s Reference, Volume 1, Open Group Product Documentation, ISBN 1-85912-119-5, October 1997 into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4027 | 3.0 | 2.2.2.2.1.2 | Move “M214B: Motif 2.1 – Programmer’s Reference, Volume 2, Open Group Product Documentation, ISBN 1-85912-124-1, October 1997 into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4030 | 3.0 | 2.2.2.2.1.2 | Add “M024A: CDE 2.1 Programmer's Reference, Volume 1, Open Group Product Documentation, ISBN 1-85912-188-8, October 1997 to section 2.2.2.2.1.2.1 | Recommend new standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4028 | 3.0 | 2.2.2.2.1.2 | Move “M214C: Motif 2.1 – Programmer’s Reference, Volume 3, Open Group Product Documentation, ISBN 1-85912-164-0, October 1997 into section 2.2.2.2.1.2.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4008 | 3.0 | 2.2.2.2.1.2 | Delete text and standards in this service area. Add the following text: “User Interface Services control how a user interfaces with an information-technology system. The Common Desktop Environment (CDE) provides a common set of desktop applications and management capabilities for environments similar to the Microsoft Windows desktop environment. CDE supports Open Software Foundation (OSF) Motif-based application execution. Both CDE and Motif applications use the underlying X-Windows system. The Win32 Application Program Interface (API) set provides similar services for Microsoft Windows applications. Applications that require user interaction use either Motif/X-Window APIs and are capable of executing in the CDE or the applicable native windowing Win32 APIs. Refer to Section 2.5 for Human-Computer Interface (HCI) style guidance and standards.” | The text and standards are recommended to be partitioned from User Interface Services into two parts to provide better user understanding of the service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| USAF 09 | 3.0 | 2.2.2.2.1.2 | Replace "Open Software Foundation (OSF)" with "The Open Group (formerly Open Software Foundation)"". | Open Software Foundation no longer exists; The Open Group is the new name for that activity. All other parts of the citations remain | | | [SMC/AX-Shaw-1] SMC/AXE-Aerospace, Ms Judy | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | | accurate. | | | Kerner | |
| NRO 4038 | 3.0 | 2.2.2.2.1.3 | Move text as follows: “In addition, the SQL/Call Level Interface (CLI) addendum to the SQL standard provides a standard CLI between database application clients and database servers. The following API is mandated for both database application clients and database servers: “ and move the following updated standard: “ISO/IEC 9075-3, 1995 Information Technology -- Database Languages --SQL -- Part 3: Call-Level Interface (SQL/CLI)” and the following text: “The ISO/IEC 9075-3 mandate does not preclude the use of Open Database Connectivity (ODBC) 3.0 or Java Database Connectivity (JDBC) extensions in situations where the capabilities supported by ISO/IEC 9075-3 cannot satisfy user-functional requirements. Note that ISO/IEC 9075-3 is a subset of ODBC 3.0. “ into section 2.2.2.2.1.3.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4037 | 3.0 | 2.2.2.2.1.3 | Move text as follows: “These services support the definition, storage, and retrieval of data elements from Database Management Systems (DBMSs). Application code using Relational Database Management System (RDBMS) resources and COTS RDBMSs conform to the requirements of Entry Level SQL. The following standard is mandated for any system using an RDBMS” and move the following updated standard: “ISO/IEC 9075:1992: Information Technology - Database Languages - SQL, as modified by FIPS Pub 127-2, Database Language for Relational DBMS, 1993 (ISO/IEC 9075)” into section 2.2.2.2.1.3.1 | regrouping standard into new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4036 | 3.0 | 2.2.2.2.1.3 | Add section 2.2.2.2.1.3.1 Relational Database Management Systems and add the following text: “These services support the definition, storage, and retrieval of data elements from Relational Database Management Systems (RDBMS).” | partitions Data Management service into two parts | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4035 | 3.0 | 2.2.2.2.1.3 | Delete current text and standards and replace with the following text: “The data | The text and standards are recommended to be | | | Bowser | Bowser Samuel.E.Bo |

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| | | | management services provide for the independent management of data shared by multiple applications. These services support the definition, storage, and retrieval of data elements from Database Management Systems (DBMSs). Central to most systems is the sharing of data between applications." | partitioned from Data Management Services into two parts to provide better user understanding of the service area. | | | | wser@aero.org |
| NRO 4043 | 3.0 | 2.2.2.2.1.3 | Add section "2.2.2.2.1.3.2 Object-oriented Database Management Systems" and add the following text: "Object oriented database management service provides for the independent management of data shared by multiple applications. These services support the definition, storage, and retrieval of data elements from Object-oriented Database Management Systems (ODBMS)." | partitions Data Management service into two parts | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4044 | 3.0 | 2.2.2.2.1.3 | Add the following text: "This standard defines the syntax and semantics for an Object-oriented Database Management System (ODBMS), which are used for creating, managing, modifying, and querying object-oriented databases. Application code using ODBMS resources and usage of commercial ODBMSs, including hybrid object-relational applications, shall conform to the requirements of the Object Data Management Group (ODMG) standard." and add the following new standard: "The Object Database Standard: ODMG 2.0, Morgan Kaufman Publishers, 1997, ISBN 1-55860-463-4" | Recommend new mandated standard for new partition | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4066 | 3.0 | 2.2.2.2.1.4 | Add "ISO/IEC 13346-4: 1995, Information Technology - Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange - Pt. 4: File structure" to section 2.2.2.2.1.4.10 | Ensure interoperability of CD_ROM products. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4062 | 3.0 | 2.2.2.2.1.4 | Add "ISO 9660:1988, Information Processing - Volume and file structure of CD-ROM for information interchange" to section 2.2.2.2.1.4.10 | Ensure interoperability of CD_ROM products. (Note: JTA already cites ISO 9660 in section 2.2.2.2.1.4.7.) | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4065 | 3.0 | 2.2.2.2.1.4 | Add "ISO/IEC 13346-3: 1995, Information Technology - Volume and file structure of write-once and rewritable media using non- | Ensure interoperability of CD_ROM products. | | | Westergaard | Bowser Samuel.E.Bowser@aero.o |

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| | | | sequential recording for information interchange - Pt. 3: Volume Structure" to section 2.2.2.2.1.4.10 | | | | | rg |
| NRO 4064 | 3.0 | 2.2.2.2.1.4 | Add "ISO/IEC 13346-2: 1995, Information Technology - Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange - Pt. 2: Volume and boot block recognition" to section 2.2.2.2.1.4.10 | Ensure interoperability of CD_ROM products. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4063 | 3.0 | 2.2.2.2.1.4 | Add "ISO/IEC 13346-1: 1995, Information Technology - Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange - Pt. 1-General" to section 2.2.2.2.1.4.10 | Ensure interoperability of CD_ROM products. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4067 | 3.0 | 2.2.2.2.1.4 | Add "ISO/IEC 13346-5: 1995, Information Technology - Volume and file structure of write-once and rewritable media using non-sequential recording for information interchange - Pt. 5: Record Structure" to section 2.2.2.2.1.4.10 | Ensure interoperability of CD_ROM products. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4061 | 3.0 | 2.2.2.2.1.4 | Add section 2.2.2.2.1.4.10 Multimedia Data Interchange | Provide new service to address information technologies and standards that transcend other services in this area. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NIMA 4012 | 3.0 | 2.2.2.2.1.4.1 | Document Interchange. ISO 8879 has two Corrigendums; (1) dated 1996 and (2) dated 1999. These should be noted somewhere in JTA 4.0. | JTA should try to reference updates/enhancements to the basic mandated standards if these changes are needed to correctly implement the standard. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NRO 4050 | 3.0 | 2.2.2.2.1.4.1 | Add "IETF RFC 977, Network News Transport Protocol (NNTP), February 1986" to section 2.2.2.2.1.4.1 | Newsgroups are already in widespread use throughout C4ISR community and elsewhere; adoption of this standard will help ensure interoperability across community. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NIMA 4029 | 3.0 | 2.2.2.2.1.4.1 | Document Interchange Update HTML mandate to version 4.01. HTML (HyperText Markup Language) has been updated with a new W3C Recommendation dated 24 Dec 1999. HTML 4.01 is an non-editorial update from the April 1998 HMTL 4.0 | W3C recommends that HMTL authors now produce HTML 4.01 documents vise 4.0. The XHTML 1.0 specification called out for JTA emerging relies on | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | Recommendation and includes changes to some DTDs (Document Type Definitions) and other errata and bug fixes. Updated bullet: REC-html401-19991224, HTML 4.01 Specification, W3C Recommendation, 24 December 1999 | HTML 4.01 for the meaning of HTML tags; thus reducing the size of the XHTML spec considerably. | | | | |
| NIMA 4030 | 3.0 | 2.2.2.2.1.4.1 | Document Interchange Reformat XML reference to be more consistent with standard format for bulletized mandates (DocID first, DocName, Version, Date, etc.) REC-xml-19980210, Extensible Markup Language (XML) 1.0, W3C Recommendation, 10 February 1998 The standard itself is unchanged since JTA 3.0 | Each JTA mandated and emerging referenced standard should be formatted in a consistent manner. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| PNG/IJG 05 | 3.0 | 2.2.2.2.1.4.2 | Before the period at the end of the first bulleted item, insert, which depends on ISO/IEC 10918-1, "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines," 1994. | The currently referenced C-cubed document does not stand alone. It only describes the format for encoding JPEG data in a file but does not describe the JPEG data itself. Note that this ISO/IEC document is already referenced in section 2.2.2.2.1.4.4 but not with the correct title. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 03 | 3.0 | 2.2.2.2.1.4.2 | In the third paragraph, change "is not acceptable" to "is not acceptable or is ineffective" | For the types of images that are suitable for PNG (and formerly for GIF) compression, "acceptable" appearance can often be obtained with JPEG compression at a very high quality setting --- but the resulting file size is not necessarily smaller than what can be achieved with lossless techniques; it may even be substantially larger. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 06 | 3.0 | 2.2.2.2.1.4.2 | To the end of the second bulleted item, add a link icon. | Consistency with other references. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 07 | 3.0 | 2.2.2.2.1.4.2 | In the second bulleted item, add “, October 1996” to the end. | Most references in the document are displayed with | | | PNG Development | Glenn Randers- |

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| | | | | a date. | | | Group, Independent JPEG Group | Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 04 | 3.0 | 2.2.2.2.1.4.2 | In the first bulleted item, change "1993" to "1992" and add a link to ftp://ftp.uu.net/graphics/jpeg/ | The referenced document is dated 1 September 1992. An online copy of the specification is available. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 02 | 3.0 | 2.2.2.2.1.4.2 | In the second paragraph, change "lossy decompression" to"lossy compression" | Loss occurs primarily in the compression step, not in the decompression step of JPEG compression and decompression. Also, the existing language is inconsistent with that used in the next paragraph. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 08 | 3.0 | 2.2.2.2.1.4.2 | In the third bulleted item, interchange “31 July 1990” with “CompuServe Incorporated”. | Most references in the document are displayed with the date last. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| PNG/IJG 01 | 3.0 | 2.2.2.2.1.4.2 | Add to the end of the last sentence of the first paragraph:, and is on track to be published as an International Standard during mid CY-2000. | The International Standards Organization is finalizing a draft that will make PNG an ISO/IEC standard. We anticipate that this will be released in mid-CY2000 as ISO/IEC 15948, “Portable Network Graphics (PNG): Functional Specification.” | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| NIMA 4013 | 3.0 | 2.2.2.2.1.4.3 | Geospatial Data Interchange. FIPS 10-4 has three approved Change Notices: CN1 dated 1 Dec 98;CN2 dated 1 Mar 99; and CN3 dated 17 May 99. Recommend that the FIPS 10-4 mandate be modified to read '… Administrative Divisions, April 1995 through Change Notice 3, 17 May 1999'. | All three Change Notices document additions, deletions, and changes to Country Codes used within multiple geospatial products within DoD. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NRO 4055 | 3.0 | 2.2.2.2.1.4.3 | Add “MIL-PRF-89020A, Military Specification, Digital Terrain Elevation Data (DTED), 19 April 1996, with amendment 1, 27 April 1999” to section 2.2.2.2.1.4.3.3 | Improve interoperability among those who produce map data and maps and those who use maps in military operations. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4053 | 3.0 | 2.2.2.2.1.4.3 | Add sections 2.2.2.2.1.4.3.1, “Raster Product Exchange Service”, 2.2.2.2.1.4.3.2, “Vector Product Exchange Service”, and | Partitions Geospatial Data Interchange into three parts to improve structure of | | | Westergaard | Bowser Samuel.E.Bowser@aero.o |

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| | | | 2.2.2.2.1.4.3.3, “Geospatial Data Content Service” | complex service area. | | | | rg |
| NRO 4054 | 3.0 | 2.2.2.2.1.4.3 | Add “NIMA TR 8350.2 Department of Defense World Geodetic System 1984, Its Definition and Relationships with Local Geodetic Systems” to section 2.2.2.2.1.4.3.3 | Improve clarity; already mentioned in JTA section 2.2.2.2.1.4.3 in context of WGS standard, but not as separate standard. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4060 | 3.0 | 2.2.2.2.1.4.4 | Add “MIL-STD-188-198A, Joint Photographic Experts Group (JPEG) Image Compression for the National Imagery Transmission Format Standard, 15 December 1993” to section 2.2.2.2.1.4.4.2 | Improve interoperability among imagery producers and consumers. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4059 | 3.0 | 2.2.2.2.1.4.4 | Add “MIL-STD-2301A, Computer Graphics Metafile (CGM) Implementation Standard for the National Imagery Transmission Format Standard, 5 June 1998” to section 2.2.2.2.1.4.4.2 | Improve clarity; already mentioned in JTA section 2.2.2.2.1.4.4 in context of CGM, but not as separate standard. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4058 | 3.0 | 2.2.2.2.1.4.4 | Add “STANAG 4545, Edition 1, Ratification Draft 2, 5 June 1998, Subject: NATO Secondary Imagery Format” to section 2.2.2.2.1.4.4.2 | Improve interoperability between U.S. forces and NATO allies. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4057 | 3.0 | 2.2.2.2.1.4.4 | Add sections 2.2.2.2.1.4.4.1, “Unprocessed Still Imagery Data Interchange Service”, and 2.2.2.2.1.4.4.2, “Processed Still Imagery Data Interchange Service” | Partitions Still-Imagery Data Interchange into two parts to improve structure of complex service area. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NIMA 4015 | 3.0 | 2.2.2.2.1.4.4 | Still-Imagery Data Interchange. 1st mandated standard bullet: Delete second sentence beginning 'An additional document…' | This add'l sentence was useful since the mandated version was changed (from version A to version B). The explanatory sentence is now superfluous. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4014 | 3.0 | 2.2.2.2.1.4.4 | Still-Imagery Data Interchange. 1st paragraph; sentence 1. Delete the words 'storage, and transmission' from the first sentence; replace 'exchange' with 'interchange'. | The NITFS format is only required within DoD for the INTERCHANGE of imagery and imagery products. This clarification should assist in explaining that other image format could be used internal to a single system; but that NITF is the default format for interchange BETWEEN systems. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| PNG/IJG 09 | 3.0 | 2.2.2.2.1.4.5 | After “[FPS]” add “or hertz [Hz]” | This section defines FPS but uses Hz which seems not to be defined anywhere in the | | | PNG Development Group, | Glenn Randers-Pehrson |

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| | | | | JTA. | | | Independent JPEG Group | RandeG@alum.rpi.edu |
| BMDO 101 | 3.0 | 2.2.2.2.1.4.5 | Request the VISP members to try to find a simpler numbering scheme for 2.2.2.2.1.4.5. (see also 2.2.2.2.1.4.6) | This is the most densely subdivided section of the JTA, and it is unclear it is necessary. If one level could be eliminated here and the previous renumbering was executed (e.g. 2.3 to 3), the JTA could translate cleanly into HTML using normal heading levels (since all other areas in the JTA 3.0 go to a maximum of 8 levels). | | | David Wheeler | David Wheeler David Wheeler@ida.org |
| NIMA 4022 | 3.0 | 2.2.2.2.1.4.5.1 | Video Imagery.<br><br>Request that the video imagery standards in this section be reformatted to a format consistent with the VTC standards in section 2.3; i.e. an intro paragraph, a single bullet mandate for VISP 1.4, and a table listing the mandated VISP 1.4 standards. This format, already accepted for VTC standards in FTR 1080A, will eliminate at least one page of text from the Section 2.2. part of JTA<br><br>Recommended replacement:<br>2.2.2.2.1.4.5.1.1 Video Imagery<br><br>The "DoD/IC/USIGS Video Imagery Standards Profile (VISP)," Version 1.4, 8 June 1999, describes a minimum set of standards and guidelines for the acquisition of systems that produce, use, or exchange video imagery information. The standards listed below, as profiled in the VISP 1.4, Chapter 2, are mandated: Standard; Description; Usage… Each existing JTA 3.0 video imagery standard will be added to the table with the above headings (see VTC section for example). NIMA will take the lead to provide a rewritten section before subgroup meetings begin. | This proposed reformatting does not change the technical content mandated by the JTA. The format used for VTC is already accepted in JTA 3.0. Have reviewed the FTR and have noticed the similarity between it and the VISP in content/language. Attempting to replicate and summarize the VISP standards and their profile(s) not only expends additional effort, but it increases the chance of making a duplication error and providing incorrect or misleading information to the DoD community. Future versions of the VISP will have to be scrubbed for deltas to previous versions; each individual change in a VISP standard, standard profiling, and standard usage, will require a separate JTA comment. It will not be sufficient to simply propose that the JTADG accept a new version without clearly understanding the | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | | deltas between versions of the VISP. Recommend this approach also be adopted for VTC standards or other profile called out in the JTA. | | | | |
| NIMA 4006 | 3.0 | 2.2.2.2.1.4.5.1 | Video Imagery<br><br>(Insert after SMPTE 274 bullet…) Add additional video imagery mandate to the video imagery section. Add the following language: SMPTE 297M-1997 Fiber optic uncompressed standard definition for baseband signal transport and processing for digital video, audio and metadata origination, system interface, production/analysis center processing and manipulation.<br><br>The following standard, as profiled in the VISP 1.4 (8 Jun 1999), is mandated: ANSI/SMPTE 297M-1997, Television - Serial Digital Fiber Transmission System for ANSI/SMPTE 259M Signals | Maturity- commercial products are available which support the specification Implementable - Vendors are already building to this spec Public - SMPTE is an open forum Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| TRANSCOM 19 | 3.0 | 2.2.2.2.1.4.5.1.1 | Embedded hyperlink at end of IT-R BT.601-4 citation is incorrect. It points to the ITU-T recommendations web page: http://www.itu.int/publications/itu-t/itut.htm rather than the ITU-R recommendations web page: http://www.itu.int/publications/itu-r/itur.htm | Accuracy | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 20 | 3.0 | 2.2.2.2.1.4.5.1.3 | Delete entire paragraph. | Placeholder does not add value to document. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 21 | 3.0 | 2.2.2.2.1.4.6.1.3 | Delete entire paragraph. | Placeholder does not add value to document. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| NSA 30 | 3.0 | 2.2.2.2.1.4 | Replace “Formats.....in a later version of the | This is the core voice coding | | | John Collura | Sheila Brand |

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| | | .6.2 | JTA." with the following: In 1996, under the auspicious of the Office of the Assistant Secretary of Defense for C3I, DoD Digital Voice Processing Consortium (DDVPC) selected the 2.4Kbps MELP algorithm as the new high quality low rate voice coding algorithm. This MELP algorithm was chosen because it provided superior performance (intelligibility, quality, speaker recognition, etc.) over existing legacy voice coding algorithms, (2.4Kbps LPC10e, 16Kbps CVSD, etc.) The 2.4Kbps MELP algorithm as defined by the 1996 DDVPC is now MIL-STD-3005. The following standard is mandated: MIL-STD-3005, Analog-To-Digital Conversion of Voice By 2400 Bit/Second Mixed Excitation Linear Prediction (MELP), 20 December 1999. http://www-library.itsi.disa.mil/ | algorithm for the Joint Tactical Radio System (JTRS), the Secure Telephone Equipment (STE) and the Secure Wireless Telephone program known as CONDOR. Voice coding interoperability requires the use of this standard for the MELP algorithm. | | | (NSA) jscollu@ alpha.ncsc.mil | (NSA) sbrand@ radium. ncsc.mil |
| NRO 4068 | 3.0 | 2.2.2.2.1.4 .9 | Replace ITU-R TF 460-4 with "ITU_R TF.460_5, Standard Frequency and Time Signal Emissions, 1997" | Update standard to current version. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4069 | 3.0 | 2.2.2.2.1.4 .9 | Add "ITU-R TF.1010-1, Relativistic Effects in a Coordinate Time System in the Vicinity of the Earth, October 1997" to section 2.2.2.2.1.4.9 | Improve accuracy and interoperability for time-dependent activities. Belongs in core due to need to standardize time across all domains. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| NRO 4070 | 3.0 | 2.2.2.2.1.4 .9 | Add "ICD-GPS-202, NAVSTAR GPS Control Segment/U.S. Naval Observatory Time Transfer Interfaces" to section 2.2.2.2.1.4.9 | Improve accuracy and interoperability for time-dependent activities. Belongs in core due to need to standardize time across all domains. | | | Westergaard | Bowser Samuel.E.Bowser@aero.org |
| DISA 03 | 3.0 | 2.2.2.2.1.7 | Remove IEEE 1003.5g:1999 | This standard is a draft standard. (The "g" is actually a misprint) This was suppose to be 1003.5b which is already a bullet that DISA has proposed to delete see DISA 01. | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 02 | 3.0 | 2.2.2.2.1.7 | Remove IEEE 1003.5b:1996 mandate | This standard, along with IEEE 1003.5, have been included in ISO:14519 which | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |

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| | | | | is already a mandated standard. | | | | |
| PNG/IJG 11 | 3.0 | 2.2.2.2.1.8 | In the first bulleted item, change “ANSI/ISO” to “ISO/IEC”, “1987” to “1998”, and “Single Byte” to “Single-Byte”. | The ISO/IEC document has replaced the ANSI/ISO document. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| USAF 10 | 3.0 | 2.2.3 | Add a new subparagraph to this section as follows: "2.3.3.6 Common Ground Moving Target Indicator Data Format. The Common Ground Moving Target Indicator (CGMTI) Data Format Document is emerging as a de facto U.S./NATO data standard for the dissemination of MTI imagery from airborne and spaceborne GMTI sensor platforms. It is being developed as a product of the Common Ground Moving Target Indicator (CGMTI) Format Working Group, which was established to define and develop a standard that facilitates the transmission, processing, fusion and display of GMTI data. The Working Group is chaired jointly by ASC/RAPS and ESC/JSDQ. The present version of the document is Review DRAFT Version 1.0, dated 5 January 2000. An approved version of the document is expected to be available in the 2002 time frame. Further details of the Working Group are available at the CGMTI website, URL http://www.rl.af.mil/programs/cgmti/" | This is an initiative of SAF/AQIJ to develop a common data format for airborne and space-based GMTI sensors (e.g. U-2 AIP, JSTARS, Global Hawk, Discover 2, ARL-M). The format supports interoperability among the various types of ground stations such as the JSTARS Common Ground Station (CGS) operated by the ARMY and Marines. Other candidate systems include NATO systems such as the ASTOR, HORIZON, and CRESO. JTA 3.0 does not provide a standard for GMTI transfer. This change if not incorporated into the DoD JTA Core set of standards should be inserted at a minimum as a new subparagraph to C4ISR.2.3.3. Emerging Standards and titled "2.3.3.x Common Ground Moving Target Indicator Data Format". Also note that the CGMTI Data Format Document, Draft Version 1.0 dated 5 Jan 2000 is subject to the following distribution restrictions: "Approved for release to Canada and the United Kingdom. This information is furnished upon the condition that it will not | | | Cindy Plainte, DSN 478-1541 [cplainte@mitre.org], Hamp Huckins, DSN 478-6954 chuckins@mitre.org for ESC/JS/JSDI AFMC HQ ESC/DIJ, Mr. Patrick M Shanley | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | | be revealed to any third party without the prior consent of the US originating agency and that it will be used solely and for the explicit purpose of examining possibilities for common CGMTI data formats. Inquiries regarding further dissemination should be referred to ESC/JSDI, 75 Vandenberg Dr., Hanscom AFB MA 01731-2119. WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App. 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25." | | | | |
| NIMA 4034 | 3.0 | 2.2.3.2.1 | Document Interchange Update fourth paragraph describing XSL. There is a now an updated W3C Working Draft dated 12 January 2000. | | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4033 | 3.0 | 2.2.3.2.1 | Document Interchange Update first paragraph by adding additional sentence to beginning of intro paragraph and also update citation for second emerging standard (RDF Syntax). Propose the following addition/rewrite: RDF describes a foundation for processing WWW metadata; it supports interoperability between different applications that may need to exchange machine-understandable information on the WWW.<br>The following standard is emerging: REC-rdf-syntax-19990222, Resource Description Framework (RDF) Model and Syntax Specification, W3C Recommendation, 22 | Clarify intent of RDF; reformat citation to match JTA standard formats | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | February 1999 | | | | | |
| NIMA 4032 | 3.0 | 2.2.3.2.1 | Document Interchange Update 3rd emerging standard (RDF Schema). The specification is an W3C Proposed Recommendation, not a Recommendation Recommended rewrite: PR-rdf-schema-19990303, Resource Description Framework (RDF) Schema Specification, W3C Proposed Recommendation, 03 March 1999 | | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4031 | 3.0 | 2.2.3.2.1 | Document Interchange Update first paragraph and first emerging standard (XHTML). There is a now a W3C Proposed Recommendation for XHTML. This document also draws directly from the HTML 4.01 specification. Propose the following rewrite: 'XHTML (Extensible HyperText Markup Language) is the next generation follow-on to HTML. XHMTL reformulates HTML as an XML (eXtensible Markup Language) application, bringing the modular capabilities of XML to web development. A single XML data stream can be used by a variety of applications to support multiple devices, such a cellular telephones, computers, web television, and embedded applications simply by processing the needed XHTML tags within the XML data stream. The following standard is emerging: PR-xhtml1-19991210, XHTML 1.0: The Extensible HyperText Markup Language, A Reformulation of HTML 4.0 in XML 1.0, W3C Proposed Recommendation, 10 December 1999 | XHTML development has proceeded from working draft to proposed recommendation. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| PNG/IJG 10 | 3.0 | 2.2.3.2.2 | Add section 2.2.3.2.2.2 Multiple-image Network Graphics The MNG (Multiple-image Network Graphics) format is an extension to the PNG format, developed by the PNG Development Group, for the storage and transmission of animated graphics and complex still images. It was designed to replace GIF animation with a true animation format. The design was frozen in May, 1999. The working document is MNG (Multiple-image Network Graphics) | The PNG Development Group (the same group that developed the PNG format) has designed this PNG-based format to provide a patent-free alternative to the animated GIF format. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |

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| | | | Format, PNG Development Group, 1999. <a href="ftp://swrinde.nde.swri.edu/pub/mng/documents/"> | | | | | |
| NIMA 4018 | 3.0 | 2.2.3.2.3 | Geospatial Data Interchange. Delete section and text describing DIGEST 2.0. | The effort to promote portions of DIGEST 2.0 as a replacement for vector and raster product formats has proceeded slower than expected by NIMA. At this time, DIGEST does not meet the criteria for inclusion in JTA 4.0 (mature and superseding existing RPF/VPF mandates) | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4002 | 3.0 | 2.2.3.2.5.1 .1 | Video Imagery<br>Add additional video imagery standard to the video imagery emerging section. VISP 9713 defines a data encoding protocol for metadata associated with digital video. Add the following language: The Video Working Group document Data Encoding Using Key-Length-Value (KLV), is the standard protocol to be used for encoding data essence and metadata into video datastreams. The following standard, as profiled in the VISP 1.5 (8 Sept 1999), is emerging: VISP 9713 ,Data Encoding Using Key-Length-Value (KLV), 20 Oct 1999 | KLV is a protocol for encoding digital video imagery metadata. Maturity- commercial products will be available in the near term which support the specification Implementable - Vendors are already building to this spec Public - an technically equivalent version of this document is in final balloting at SMPTE. Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ _ | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4003 | 3.0 | 2.2.3.2.5.1 .1 | Video Imagery<br>Add additional video imagery standard to the video imagery emerging section. VISP 9716 describes a method for packing digital video metadata into SMPTE 291M Ancillary Data packets (a common digital transport mechanism) that have been encoded with the Key-Length-Value (KLV) data encoding protocol. Add the following language: The Video Working Group document Packing KLV Packets into SMPTE 291M Ancillary Data Packets, describes a standard method for packing video metadata into SMPTE 291M Ancillary Data packets. The following standard, as profiled in the VISP | Maturity- commercial products will be available in the near term which support the specification Implementable - Vendors are already building to this spec Public - an technically equivalent version of this document is in final balloting at SMPTE. Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | 1.5 (8 Sept 1999), is emerging: VISP 9716 , Packing KLV Packets into SMPTE 291M Ancillary Data Packets), 20 Oct 1999 | | | | | |
| NIMA 4001 | 3.0 | 2.2.3.2.5.1 .1 | Video Imagery<br>Add additional video imagery standard to the video imagery emerging section. VISP 9712 provides definitions and identifiers for individual video metadata elements. Add the following language: The Video Working Group document Dynamic Metadata Dictionary Structure, defines a set of standard metadata elements for digital motion imagery products. For digital video, he metadata structure replaces the closed captioning employed in legacy analog video systems. The following standard, as profiled in the Video Imagery Standards Profile 1.5 (8 Sep 1999), is emerging: VISP 9712, Dynamic Metadata Dictionary Structure, 20 Oct 1999 | The contents of the Dynamic Metadata Dictionary Structure document, created by commercial, public, and government video experts, is a set of metadata elements which is already being incorporated into mainstream digital video applications. These standardized video metadata elements will be used within motion imagery bitsteams to replace the closed captioning of metadata used in many analog video applications. Interoperability- This document was developed with input from experts in the commercial, public and government domains. Maturity- commercial products will be available in the near term which support the specification Implementable - Vendors are already building to this spec Public - an technically equivalent version of this document is in final balloting at SMPTE. Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4004 | 3.0 | 2.2.3.2.5.1 .1 | Video Imagery<br>Add additional video imagery standard to the video imagery emerging section. VISP 9717 describes a method for packing digital video metadata into MPEG-2 Systems streams (a common digital transport mechanism) that have been encoded with | Maturity- commercial products will be available in the near term which support the specification Implementable - Vendors are already building to this spec Public - an technically | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | the Key-Length-Value (KLV) data encoding protocol. Add the following language: The Video Working Group document Packing KLV Packets into MPEG-2 Systems Streams, describes a standard method for packing metadata into MPEG-2 Systems Streams. The following standard, as profiled in the VISP 1.5 (8 Sept 1999), is emerging: VISP 9717 , Packing KLV Packets into MPEG-2 Systems Streams), 20 Oct 1999 | equivalent version of this document is in final balloting at SMPTE. Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ | | | | |
| NIMA 4005 | 3.0 | 2.2.3.2.5.1 .1 | Video Imagery<br>Add additional video imagery standard to the video imagery emerging section. VISP 9718 describes a method for packing digital video metadata into AES3 Serial Digital streams (a common digital transport mechanism) that have been encoded with the Key-Length-Value (KLV) data encoding protocol. Add the following language: The Video Working Group document Format for Non-PCM Audio and Data in AES3 - KLV Data Type, describes a standard method for packing metadata AES3 Serial Digital streams. The following standard, as profiled in the VISP 1.5 (8 Sept 1999), is emerging: VISP 9718 , Format for Non-PCM Audio and Data in AES3 - KLV Data Type, 20 Oct 1999 | Maturity- commercial products will be available in the near term which support the specification Implementable - Vendors are already building to this spec Public - an technically equivalent version of this document is in final balloting at SMPTE. Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4007 | 3.0 | 2.2.3.2.5.1 .1 | Video Imagery<br>Add additional video imagery standard (s) to the video imagery emerging section. These two standards specify a basic formatting structure for metadata encoded in a digital data stream. These standards support digital television interfaces. ALSO-: Add the following language to the beginning of the Emerging Video Imagery section; replacing the existing text: The DoD Video Imagery standards profile, version 1.5, 6 September 1999, is an update to the VISP 1.4 document referenced in the JTA Video Imagery mandated section. The existing standards in that section are unchanged for VISP 1.5. The following emerging standards represent the significant technical additions made to the VISP. The following standards are emerging: SMPTE 291M- | Maturity- commercial products are available which support the specification Implementable - Vendors are already building to this spec Public - SMPTE is an open forum Consistent with Authoritative - This document is consistent with established DoD video imagery direction and goals. http://164.214.2.51/vwg/ | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | 1996: for Television - , Ancillary Data Packet and Space Formatting ANSI S4.40-1992, Digital Audio Engineering - Serial Transmission Format for Two-Channel Linearly Represented Digital Audio Data (AES3) | | | | | |
| NSA 31 | 3.0 | 2.2.3.2.7 | Add the following new Section to 2.2.3.2 Data Interchange: 2.2.3.2.7 Audio Data Interchange The MELP algorithm has been improved by the addition of a speech enhancement (noise pre-processing) front end. The combined improved MELP algorithm known as MELPe provides superior performance in harsh acoustic noise environments while having little or no effect on benign acoustic environments. The following standard is emerging. 1.2Kbps MELPe voice coding algorithm Add (soon to be updated) Hyperlink: http://www.plh.af.mil/ddvpc/ | It is expected that the MELPe algorithm will form the core building block of seamless interoperability across the domains of strategic, tactical, SATCOMs and internetworking functions within the next three years. | | | John Collura (NSA) jscollu@ alpha.ncsc.mil | Sheila Brand (NSA) sbrand@ radium. ncsc.mil |
| DISA 31 | 3.0 | 2.2.3.4.1 | Change P1003.1q "Trace" to "Tracing" | To reflect nee name of Standard | | | John Davies | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 05 | 3.0 | 2.2.3.4.1 | Change "P1003.1h D9, July 1999" to "P1003.1h D5, July 1999" | Accuracy | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 04 | 3.0 | 2.2.3.4.1 | Change 2nd emerging bullet from "P1003.1d D13, April 1999" to "P1003.1d D14, August 1999" | Update to reflect the latest current Draft 14 that is available dated August 99. | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 10 | 3.0 | 2.2.3.4.1 | Change P1003.21 from "V2.0, August 1998" to "V3.0, October 1999". | Reflect the latest version of the document | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 09 | 3.0 | 2.2.3.4.1 | Change P1003.1g mandate from: "Draft 6.6, March 1997" to "Draft 6.6, January 1999". | Accuracy | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 08 | 3.0 | 2.2.3.4.1 | Change P1003.1q mandate date and version from: "Draft 5, July 1999" to "Draft 6, November 1999". | Reflect the latest version of the document | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 06 | 3.0 | 2.2.3.4.1 | Change "P10031j D9, July 1999" to "P1003.1j D10, September 1999" | Reflect the latest version of the document | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| DISA 07 | 3.0 | 2.2.3.4.1 | Change the date on P1003.1m from "November 1998" to "January 1999". | Accuracy | | | Larry Spieler | Fritz Schulz SchulzF@ncr .disa.mil |
| JEBB 01 | 3.0 | 2.3.2.1.1.1 | Change nomenclature and date for both | Update documents with new | | | R. Liguori, | Ralph Liguori |

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| | | .1 | ACP 123 and ACP 123 U.S. Supplement to "ACP 123 Edition A" dated "15 August 1997" | approved edition. | | | JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | LiguoriR@ftm.disa.mil |
| USAF 11 | 3.0 | 2.3.2.1.1.1.1 | The reference to Section 2.3.2.1.1.2.2 should be a hot link, and formatted as appropriate. | Identified that this should be a link with appropriate formatting. | | | ESC/NDSR (DRC), Mr. John W Wurts | Jeffery Keith Keith.Jeffery@scott.af.mil |
| USAF 12 | 3.0 | 2.3.2.1.1.1.2.2 | The mandated standard should include the reference to Version 2 of the standard that is specified within the body of the preceding paragraph. | Specify correct document version in reference. | | | ESC/NDSR (DRC), Mr. John W Wurts | Jeffery Keith Keith.Jeffery@scott.af.mil |
| PNG/IJG 12 | 3.0 | 2.3.2.1.1.1.8.2 | Add: IETF RFC-2396, Uniform Resource Identifiers (URI): Generic Syntax, August 1998. | The two referenced RFCs are updated by RFC-2396. | | | PNG Development Group, Independent JPEG Group | Glenn Randers-Pehrson RandeG@alum.rpi.edu |
| DISA 15 | 3.0 | 2.3.2.1.1.2.1.3 | Change to read IETF RFC-1770 | Global: Editorial: I believe all IETF RFCs should be of the format above. Half of the RFCs do not have a Hyphen in the JTA V3. | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| JEBB 02 | 3.0 | 2.3.2.1.2 | Change the last part of the last sentence from: "see URL: <http://www.ncs.gov/n6 and URL: disavtc.spawars.navy.mil>." to: "see URL: <http://www.ncs.gov/n6> and URL: <http://disavtc.spawar.navy.mil>." | Editorial | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| NIMA 4008 | 3.0 | 2.3.2.1.2 | Video Teleconferencing Standards:<br><br>The JTA 3.0 and FTR 1080A provide conflicting guidance on the usage of T.120 family of multimedia VTC standards. The JTA intro and Table 2.2-2 indicate that the T.120 standards are mandated by FTR 1080A; however, the FTR indicates that the standards are not so. The FTR says that systems implementing multimedia within VTC systems are only 'strongly recommended' to implement capabilities supporting the T.120 standards.<br><br>Suggested Revision: | FROM FTR 1080A: 5.1.10 MULTIMEDIA TELECONFERENCING APPLICATIONS 'Multimedia applications such as audiographic conferencing, facsimile, still image transfer, annotation, pointing, shared whiteboard, file transfer, and audio-visual control are optional. If any of these applications are required in the VTU, it is strongly recommended that the VTU comply with the T.120 series of | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | Move the t.120 standards and accompanying intro text to emerging section 2.3.3.1.2 for JTA 4.0 draft 1. And request that any interested parties resubmit the standards during the second comment cycle if they can provide data that suggests each T.12X standard meets all the JTA selection criteria for being mandated. | Recommendations listed in Table 5.1.' BACKGROUND FROM 1080A Scope: What does the profile say about mandatory vs optional standards internal to it? "There are min. rqmts that are imposed by the profile to ensure Interop. Among Federal VTC systems" " SHALL or WILL denotes a mandatory part of a standard. SHOULD denote a recommended (non-mandatory) part. MAY is a feature that does not prevent compliance, and may or may not be implemented by the users" 1080A has a CLEAR DISTINCTION BETWEEN MANDATORY, RECOMMENDED, AND OPTIONAL STANDARDS AND PARTS OF STANDARDS. | | | | |
| DISA 16 | 3.0 | 2.3.2.2.1 | There is an extra space in front of IETF Standard 6 | Editorial | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| JEBB 04 | 3.0 | 2.3.2.2.2.4 | Change date of SR-3875 document to "July 1999" | Editorial | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 05 | 3.0 | 2.3.2.2.2.4 | Change title of SR-4620 to read "1999 Version of National ISDN Basic Rate Interface (BRI) Terminal Equipment Generic Guidelines" | Editorial | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 03 | 3.0 | 2.3.2.2.2.4 | Replace ANSI T1.408 with "ANSI T1.403.01, Network and Customer Installation Interfaces - (ISDN) Primary Rate Layer 1 Electrical Interface Specification, 1999" | ISDN Primary Rate - Customer Installation Metallic Interfaces, Layer 1 Specification (ANSI T1.408-1990) Replaced by ANSI | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.d | Ralph Liguori LiguoriR@ftm.disa.mil |

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| | | | | T1.403.01-1999. | | | isa.mil | |
| NIMA 4019 | 3.0 | 2.3.2.2.2.5 | Asynchronous Transfer Mode. JTA 3.0 does not seem to require the use of ATM for any specific DoD application. It only requires the use of products compliant with the ATM standards IF the system decides to use ATM. This seems insufficient in making technology 'mandatory' since ATM is not a JTA service area. There are DoD applications (DISN or systems interfacing with DISN) where system developers must use ATM. Recommend the ATM language be modified to state that ATM is mandatory when interfacing with the DISN | Current ATM wording in JTA does not specify when ATM technology/standards is mandatory. Existing section heading is not a JTA service area; it is a technology. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| JEBB 06 | 3.0 | 2.3.2.3.1.1.2 | Add the following Notice of Change: "Notice of Change 3, 4 June 1999." | To update standard with approved Notice of Change. | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 07 | 3.0 | 2.3.2.3.1.1.3 | Add the following Notice of Change: "Notice of Change 2, 4 June 1999." | To update standard with approved Notice of Change. | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 08 | 3.0 | 2.3.2.3.1.3.2 | Add the following Notice of Change: "Notice of Change 1, 1 July 1999." | To update standard with approved Notice of Change. | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| USAF 13 | 3.0 | 2.3.2.3.2.6 | Update the reference of this standard and show that it is a SECRET document: STANAG 4175, Edition 1, Technical Characteristics of the Multifunctional Information Distribution System (MIDS), 1992. | This standard is a SECRET document and should be identified as such and the current date of the standard is 1992. | | | AFCA, Mr. Mark G Heffron | Jeffery Keith Keith.Jeffery@scott.af.mil |
| JEBB 09 | 3.0 | 2.3.2.3.3 | Delete "(ATIS)" from ANSI T1.105 title. | Editorial | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 10 | 3.0 | 2.3.2.3.3 | Delete "(SONET)" from ANSI T1.117 title. | Editorial | | | R. Liguori, | Ralph Liguori |

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| | | | | | | | JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | LiguoriR@ftm.disa.mil |
| DISA 17 | 3.0 | 2.3.3.2 | Make sub paragraphs: e.g. 2.3.3.2.1 Wireless LAN, 2.3.3.2.2 ATM-Related Standards, etc. | Editorial | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| JEBB 14 | 3.0 | 2.3.3.2 | Change af-vtoa-0119.00 to read af-vtoa-0119.000" | Editorial | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 15 | 3.0 | 2.3.3.2 | Replace the last three sentences of IMT-2000 with the following: "ITU-R Task Group 8/1 approved draft Recommendation ITU-R M (IMT-RSPC) on the radio interfaces for IMT-2000 on 5 November 1999. The IMT-2000 radio interface terrestrial standard consists of a set of radio interfaces, which allow performance optimization in a wide range of radio operating environments. The family of IMT-2000 terrestrial radio interface technologies is as follows: CDMA Direct Spread/CDMA Multi-Carrier/CDMA Time Division Duplex (TDD)/TDMA Single-Carrier/TDMA Multi Carrier. Work is proceeding to ensure that the radio interface technologies will support the capability of operating with the two worldwide networks: evolved GSM-MAP and ANSI-41" | To update text on status of IMT-2000 radio interface standard. | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 12 | 3.0 | 2.3.3.2 | Add ATM layer management standard: "ATM forum, af-cs-0125.000, ATM Inter-Network Interface Specification, July 1999" | This standard defines the protocol for use between ATM networks. The protocol is based on the PNNI signalling. | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 11 | 3.0 | 2.3.3.2 | Add ATM layer management standard: "ATM Forum, af-ra-0123.000, PNNI Addendum for Mobility Extensions, Version 1.0, May 1999" | This addendum to the ATM PNNI Specification allows a mobile ATM network to join fixed ATM internetworking infrastructures. | | | R. Liguori, JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | Ralph Liguori LiguoriR@ftm.disa.mil |
| JEBB 13 | 3.0 | 2.3.3.2 | Add the following TIA interim standard (IS): | This standard was published | | | R. Liguori, | Ralph Liguori |

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| | | | "TIA/EIA/IS-787, Common ATM Satellite Interface Interoperability Specification (CASI), July 1999. CASI allows interoperability of a network device between the terrestrial ATM network interface and a conventional satellite modem. Also, it provides forward error correction and interleaving coding to combat bit error rates." | by TIA committee, TR 34.1, with DoD participation. It provides ATM over satellite transmission capability. | | | JIEO/CFITS, 732-427-6888, liguorir@ftm.disa.mil | LiguoriR@ftm.disa.mil |
| DISA 19 | 3.0 | 2.3.3.3 | Make bolded text "SHF….." heading a sub paragraph 2.3.3.3.1 | Editorial | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 20 | 3.0 | 2.3.3.4 | Make bolded text "Link…..", "VHF…" headings sub paragraphs 2.3.3.4.1, 2.3.3.4.2 | Editorial | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 21 | 3.0 | 2.3.3.5 | Make bolded text "Simple….." , "Network…" headings sub paragraphs 2.3.3.5.1, 2.3.3.5.2 | Editorial | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 18 | 3.0 | 2.4.1.3 | Make sub paragraphs: e.g. 2.4.1.3.1 Activity Models, etc | Editorial | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| USAF 14 | 3.0 | 2.4.1.3 | A Under Activity Models change "measurable set of products and services" to: "measurable set of products, services, and information". | The word "information" is required to make sense of a reference in the following "Data Models" paragraph. | | | [SMC/AX-Hayati-1] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| TRANSCOM 31 | 3.0 | 2.4.2.2 | Remove "DoD Manual 8320.1-M-1……." entry from appendix. | Standard is not listed in core section 2.4.2.2 | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| NIMA 4020 | 3.0 | 2.4.2.4.1 | DoD Date Standards. Remove entire section from JTA. This section was incorporated into JTA 2.0 and 3.0 because of the vital need to educate the DoD acq. Community and to ensure that standard date date exchange elements were used between systems | Section has outlived its purpose. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| DISA 40 | 3.0 | 2.4.2.5.2.2. | Change the date on MIL-STD 6040 from 31 March 1999 to 31 March 2000 and delete the Note that follows. . | Makes the Service Agreement current. | | | Anneliese Martin | Fritz Schulz SchulzF@ncr.disa.mil |
| NIMA 4021 | 3.0 | 2.4.3.1 | Object Modeling. Add XMI (XML Metadata Language) to the Emerging Section as | XMI supports the interchange of UML object | | | Andrew Sellman | Andrew Sellman |

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| | | | described: 'The XMI (XML Metadata Language) standard describes an information interchange model. This model allows developers using UML object technology tools to exchange programming data in a common format by defining a set of XML DTDs (Document Type Definitions) for exchanging UML information. The following standard is emerging: ad/98-10-05, XMI Revised Submission to the SMIF RFP, 23 March 1999 ad/98-10-06, XMI SMIF Revised Submission - Appendices, 23 March 1999 | modeling tools from different vendors by defining a common, non-proprietary interchange format. There are currently products on the market which support UML/XMI . These include Unisys Universal Repository, Rational Rose, IBM VisualAge for JAVA, and Argo/UML www.omg.org | | | | SellmanA@nima.mil |
| USAF 15 | 3.0 | 2.5.2.1 | Strike the phrase "convert character-based interfaces to", replace with "implement interfaces as". | The goal to convert character-based interfaces to Graphical User Interfaces (GUI) is an old goal which is now rather archaic due to GUI being the industry standard. The requirement should emphasize use of GUI as the de-facto industry standard. | | | [SMC/AX-Shaw-2] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| NRO 4071 | 3.0 | 2.5.2.2.1.1 | Change all instances of “Open Software Foundation (OSF)” to “The Open Group” | The Open software Foundation merged with Open Group and all the standards now are published by The Open Group. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| USAF 16 | 3.0 | 2.5.2.2.2 | Add the following explanatory note to the <http://www-library.itsi.disa.mil/TAFIM/TAFIM.html> citation: "In 1999 TAFIM was cancelled. As a result, the TAFIM website may disappear as a resource. A multi-agency, multi-service working group led by the Army was formed to continue support for maintaining/updating the DOD HCI Style Guide due to its criticality to the HCI community and the JTA. Plans are underway for the new DOD HCI Style Guide Working Group to identify and initiate update activities." | The 1999 cancellation of TAFIM "orphaned" the DOD HCI Style Guide and made it available to any organization willing to continue support for maintaining/updating. A multi-agency, multi-service working group led by the Army accepted the responsibility. The TAFIM website may disappear as a resource. | | | [SMC/AX-Shaw-4] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| NAVY 30 | 3.0 | 2.5.2.2.3 | Update the reference to the DII UIS as follows: User Interface Specifications for the Defense Information Infrastructure (DII), Version 4.0, October 1999. | This version of the DII UIS is the latest approved by DISA and applies to software using v4.X of the DII COE. | | | Kar Chan SPAWAR 619-524-7239 chank@spaw | Kar Chan KarChan@spawar.navy.mil |

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| | | | | | | | ar.navy.mil | |
| TRANSCOM 22 | 3.0 | 2.5.3 | Add new paragraph heading "2.5.3.1 Symbology" after paragraph heading "2.5.3 Emerging Standards" | This section does not reflect a service area. Each standard should be related to a service area. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| NSA 01 | 3.0 | 2.6.2.2.1 | Fourth bullet – FORTEZZA Cryptologic Interface Programmers' Guide, MD4000501-1.52b, 20 October 1997, Change to: FORTEZZA Cryptologic Interface Programmers Guide (CIPG) Revision 1.52, 30 January 1996 | The Hyperlink currently leads to version 1.52, dated 30 January 1996. FORTEZZA Web Master confirmed this one to be the latest version. Still researching the origin of version 1.52b, dated 20 October 1997. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 02 | 3.0 | 2.6.2.2.2.2 | First bullet- IETF RFC-1510: Change Hyperlink to: http://www.ietf.org/rfc/rfc1510.txt | This points directly to the referenced RFC without having to scroll through 1500 other RFCs. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 03 | 3.0 | 2.6.2.3.1.1.1 | Move "Note: The Hash function provides a check for data integrity" at the end of the second paragraph from this section to Appendix F under "Hash". | This note is a definition that was to be moved to Appendix F. It was inadvertently left here and not included in Appendix F. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 04 | 3.0 | 2.6.2.3.1.1.1 | First bullet, FIPS PUB 180-1 Secure Hash Algorithm: Add Hyperlink: http://www.itl.nist.gov/fipspubs/fip180-1.htm | All other FIPS PUBs are Hyperlinked. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 06 | 3.0 | 2.6.2.3.1.1.1 | Fourth bullet, Key Exchange Algorithm (KEA), NSA, 12 July 1994: Add Hyperlink: http://csrc.nist.gov/encryption/skipjack-kea.htm | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| USAF 18 | 3.0 | 2.6.2.3.1.1 | Replace the first paragraph, originally: "To | "The use of transport | | | [SMC/AX- | Jeffery Keith |

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| | | .1 | achieve interoperability, products must support a common transport protocol..." through "... modes of operation." Change to: "To support interoperability using encrypted messages, products must share common cryptographic message syntax, cryptographic algorithms, and modes of operation (e.g., cipher block chaining)." | protocols to support cryptographic interoperability is neither necessary nor currently commonly done. The motivation for this paragraph appears to be the development of secure IP (not yet in common use) and possibly the insertion of cryptographic "layers" such as SSL (Secure Sockets Layer) into the standard (non-secure) TCP/IP protocol stack. But the cryptographic considerations discussed in this section and the corresponding interoperability requirements are true whether they are supported by protocol negotiation or other means. It is not clear what the second sentence means. The most that can be said is that transport protocols *may* support the listed negotiation mechanisms. This paragraph is incorrect as a generalization, misleading, and irrelevant to the topic of the section. | | | Schaeffer-1] SMC/AXE-Aerospace, Ms Judy Kerner | Keith.Jeffery @scott.af.mil |
| NRO 4049 | 3.0 | 2.6.2.3.1.1 .1 | Delete second sentence and replace with “Transport protocols must agree to interoperate using encrypted messages, products must share common cryptographic message syntax, cryptographic algorithms, and modes of operation (e.g., cipher block chaining). | Clarity since “Security Algorithms” are independent of transport protocols. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| NRO 4052 | 3.0 | 2.6.2.3.1.1 .1 | Change “The following paragraphs identify security standards that shall be used for the identified types of cryptographic algorithms.” To: “This section identifies security standards that shall be used for the indicated types of cryptographic algorithms: hashing, message digest, digital signatures, message encryption, and key exchange.” | The suggested language is intended to eliminate confusion. | | | ETG | Bowser Samuel.E.Bowser@aero.org |

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| USAF 17 | 3.0 | 2.6.2.3.1.1.1 | Original text: "The following paragraphs identify security standards that shall be used for the identified types of cryptographic algorithms." Change to: "This section identifies security standards that shall be used for the indicated types of cryptographic algorithms: hashing, message digest, digital signatures, message encryption, and key exchange." | It is not at all clear what the phrase "following paragraphs" refers to; succeeding numbered paragraphs don't address crypto algorithms, and the only "security standards" references are in a bullet list in one paragraph of this section. Since only FORTEZZA mandated standards are given in the bullet list, we infer that the intent is to add paragraphs to the section in the future that address other cryptographic application domains. The suggested language is intended to eliminate confusion caused by the current absence of such paragraphs. Also, "identified types" is not clear, and recommended rewording is intended to remedy that. We assume that the sentence means that when a "type" of algorithm is indicated in a list like the FORTEZZA bullet list, the mandated standard is given. | | | [SMC/AX-Schaeffer-2] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery @scott.af.mil |
| NSA 09 | 3.0 | 2.6.2.3.1.1.2 | Third bullet, ACP-120: Change Hyperlink to: http://www.armadillo.huntsville.al.us/Fortezza_docs/missi2.html#specs | Current Hyperlink does not work; www is missing in URL. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| USAF 19 | 3.0 | 2.6.2.3.1.1.2 | Change 3rd paragraph, last sentence to read "The following messaging security protocol is mandated for DoD message systems required to exchange sensitive but unclassified and classified organizational messaging: ..." | ACP is mandated for organizational messaging only . DMS Medium Grade Service is available & is being used. | | | Dan O'Neal_ESC-DIWS | Jeffery Keith Keith.Jeffery @scott.af.mil |
| NSA 10 | 3.0 | 2.6.2.3.1.1.2 | Fourth bullet, SDN.903: Add Hyperlink:_http://neptune.fedworld.gov/cgi- | Directs you to NTIS site where SDNS documents can | | | H.Staton (SPARTA) | Sheila Brand (NSA) |

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| | | | bin/waisgate?waisdocid=0926814374+0+0+0&waisaction=retrieve | be ordered. | | | 410-381-9400 x238 hal_staton@columbia.sparta.com | sbrand@radium.ncsc.mil |
| USAF 20 | 3.0 | 2.6.2.3.1.1.2 | In the second paragraph, ending with the bullet "ITU-T Rec. X.509..." Original text: "The following standard is mandated:" Change to: "Conformance to the following recommendation is mandated:" | X.509 has not been adopted as a standard; it is classified as a recommendation by the ITU (International Telecommunication Union). | | | [SMC/AX-Schaeffer-3] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| NRO 4072 | 3.0 | 2.6.2.3.1.1.2 | Delete the last sentence of paragraph two "The following standard is mandated." Replace with "Conformance to the following recommendation is mandated." | X.509 has not been adopted as a standard, it is classified as a recommendation by the ITU. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| NSA 07 | 3.0 | 2.6.2.3.1.1.2 | First bullet: Change date of MIL-STD-2045-48501 from 25 January 1995 to 1 September 1996. | The Hyperlink points to a Change Notice No.1 to MIL-STD-2045-48501 dated 1 September 1996. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 08 | 3.0 | 2.6.2.3.1.1.2 | Second bullet, ITU-T Rec. X.509: Change Hyperlink to: http://www.itu.int/itudoc/itut/rec/x/x500up/x509.html | X.509 not available at current Hyperlink. Only available for purchase at the ITU site. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| USAF 21 | 3.0 | 2.6.2.3.1.1.3 | Delete this section. | The evaluation criteria of the listed "standards" are not appropriate for the JTA. They provide criteria for a very specific process whereby an information processing product can be judged to provide a level of trustworthiness defined by the National Computer Security Center of the National Security Agency, and they are applicable only to evaluations - a term with a very specific meaning in this context - in the NSA's soon- | | | [SMC/AX-Schaeffer-4] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | | to-be-terminated Trusted Product Evaluation Program (TPEP). These standards cannot be meaningfully applied outside TPEP, in particular, they cannot be applied by acquisition teams and program offices. We believe that the intent of this section was to mandate the selection of products from the TPEP Evaluated Product List (where such products exist) to meet a level of trust as defined in TPEP documentation. While it is possible to draft substitute language that states this, there seems to be no point in doing so because of the phasing out of the TPEP evaluation ratings and the phasing in of evaluations based on the Common Criteria (which are referenced in the Emerging Standards portion of section 2.6). Therefore we recommend deleting this section. (Note that language for mandates based on the Common Criteria is currently under consideration.) | | | | |
| NSA 12 | 3.0 | 2.6.2.3.2 | Second bullet: Change date of MIL-STD-2045-48501 from 25 January 1995 to 1 September 1996 | The Hyperlink points to a Change Notice No.1 to MIL-STD-2045-48501 dated 1 September 1996. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 11 | 3.0 | 2.6.2.3.2 | First bullet, SDN.301: Add Hyperlink: http://neptune.fedworld.gov/cgi-bin/waisgate?waisdocid=0926814374+0+0+0&waisaction=retrieve | Directs you to NTIS site where SDNS documents can be ordered. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.spart | Sheila Brand (NSA) sbrand@radium.ncsc.mil |

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| | | | | | | | a.com | |
| NSA 13 | 3.0 | 2.6.2.6 | Add SSL Protocol Specification Hyperlink: http://home.netscape.com/eng/ssl3/draft302.txt | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 14 | 3.0 | 2.6.3.2.1.1 | Delete the reference to the emerging standard ISO/IEC JTC1/SC27/WG3 N304, 23 April 1996 and move the Hyperlink to the Common Criteria emerging standard. Change title of Section from “Standards” to “Standard”. Change last sentence to say “The following ISO/IEC approved standard is emerging.” Change the emerging standard to: “ISO 15408, Common Criteria, Version 2.0, June 8,1999.” | SC27 has completed it work on the Common Criteria and it is now an International Standard. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 15 | 3.0 | 2.6.3.2.2.1.1 | Locate web site for the second emerging standard – Independent Data Unit Protection Generic Security Service Application Program Interface (IDUP-GSS-API). | Cannot locate currently listed Hyperlink <draft-ietf-cat-idup-gss-07.txt>. Referenced Draft is almost 3 years old. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 16 | 3.0 | 2.6.3.2.2.3 | Second Emerging standard – OMG document formal/98-12-10, CORBA Security Service 1.2, December 1998: add the following Hyperlink: _http://www.omg.org/cgi-bin/doclist.pl | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| USAF 22 | 3.0 | 2.6.3.3.1.1.1 | Add the following sentence at the end of the first paragraph. "The S/MIME security protocol working group has drafted the message specification S/MIME version 3, which includes the features described above. Emerging secure messaging standard is: *S/MIME, version 3 (IETF-RFC 2633), Message Specification, June 1999 | The first paragraph describes S/MIMEv3, but doesn't list S/MIMEv3 as an emerging standard. | | | Dan O’Neal_ESC-DIWS | Jeffery Keith Keith.Jeffery@scott.af.mil |
| NSA 17 | 3.0 | 2.6.3.3.1.1.1 | Replace everything after the second paragraph with: “The following IEEE approved standard for Local Area Network (LAN) security and Metropolitan Area Network (MAN) security is emerging: -- | The LAN/MAN Standards Committee of the IEEE Computer Society approved IEEE 802.10, including 802.10a and 802.10c as | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@c | Sheila Brand (NSA) sbrand@radium.ncsc.mil |

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| | | | IEEE 802.10, Standard for Interoperable LAN/MAN Security (SILS) 1998, Key Management (Clause 3, IEEE 802.10c-1998 (supplement), Architecture (Clause 1.4) (supplement). http://grouper.ieee.org/groups/802/10/index.html This IEEE standard provides specifications for security association management (Manual, Key Distribution Center, and Certification based), security labeling and security services including data confidentiality, connectionless integrity, data origin authentication and access control. The Key Management Protocol (KMP) defined in Clause 3 is applicable to the Secure Data Exchange (SDE) protocol contained in the standards as well as other security protocols. | supplements on 17 September 1998. It is now a standard with two supplements. No further work is planned. | | | olumbia.sparta.com | |
| NSA 18 | 3.0 | 2.6.3.3.1.1.2.2 | Replace this Section with the following (mostly editorial): The DOD medium assurance certificate profile implements the Federal PKI certificate profile, which in turn implements the Internet Engineering Task Force (IETF) profile, which in turn implements the ITU-T X.509 profile. Emerging certificate profile standards are: -- International Telecommunications Union - Telecommunications (ITU-T) Recommendation X.509, "Information Technology - Open Systems Interconnection - The Directory: Authentication Framework", June 1997: http://www.itu.int/itudoc/itu-t/rec/x/x500up/x509.html as profiled by: -- RFC 2459, "Internet X.509 Public Key Infrastructure Certificate and CRL Profile", January 1999, (http://www.ietf.org/rfc/rfc2459.txt) IETF Proposed Standard as profiled by: -- Federal Public Key Infrastructure Technical Working Group (FPKITWG) document TWG-98-07, "Federal PKI X.509 Certificate and CRL Extensions Profile", 9 March 1998 (http://csrc.ncsl.nist.gov/pki/twg/twg98_3.htm) as profiled by: -- DOD Certificate Profile, as defined in MITRE Technical Report 98W, "Department of Defense (DOD) Medium | The decision to combine the emerging certificate profile standards into one paragraph made it very difficult to read and deviated from the standard nomenclature of identifying each emerging standard with a dash in front. The suggested rewrite reverts to the original format and adds information in the next to last paragraph about which parts of the MITRE report are applicable. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |

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| | | | Assurance Public Key Infrastructure (PKI) Functional Specification (Draft)", Version 0.3, 20 October 1998, Paragraphs 3.2, 3.3, 3.4, 3.5 and Appendices A, B, C and D (DoD Certificate Profile-Related Sections). A request was made to the MITRE Technical Manager for the proper Hyperlink. (1/4/00) When DOD develops its Class 3 PKI interface specification, the DOD certificate profile will be included in it. MITRE Technical Report 98W is the only existing document that defines the DOD certificate profile. | | | | | |
| USAF 23 | 3.0 | 2.6.3.3.1.1 .2.2 | At the end of the first bulleted paragraph add ""and DOD Certificate Profile, as defined in X.509 Certificate Policy for the United States Department of Defense, version 5, 13 December 1999.". Also, delete from last paragraph... "MITRE Technical Report 98W is the only existing document that defines the DoD Certificate profile" | Recently, a new version of the DoD Certificate Policy was signed out.. and does include the Certificate & CRL profiles. | | | Dan O'Neal_ESC-DIWS | Jeffery Keith Keith.Jeffery @scott.af.mil |
| USAF 24 | 3.0 | 2.6.3.3.1.1 .2.3 | Last paragraph on page 95.. "For secure or authenticated exchange of such personal data, the following standard is emerging:" Change to add the second emerging standard *RSA Laboratories Public Key Cryptography Standard (PKCS) #15,"Cryptographic Token Information Format Standard, "version 1.0, 23 April 1999 | PKCS #15 should be referenced here as well as PKCS #12 .. PKCS #15 describes a standard for data storage on cryptographic tokens (i.e., cryptographic smart cards). | | | Dan O'Neal_ESC-DIWS | Jeffery Keith Keith.Jeffery @scott.af.mil |
| NSA 19 | 3.0 | 2.6.3.3.1.1 .2.3 | Third bullet, RSA Laboratories Public Key Cryptography Standard #12, "Personal Information Exchange Syntax Standard," version 1.0 (Draft), 30 April 1997 add Hyperlink: http://www.rsalabs.com/rsalabs/pkcs/ | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@ radium. ncsc.mil |
| NSA 20 | 3.0 | 2.6.3.3.1.1 .2.5 | First bullet, RSA Laboratories Public Key Cryptography Standard (PKCS) #11, "Cryptographic Taken Interface Standard," version 1.0, 28 April 1995 add Hyperlink: http://www.rsalabs.com/rsalabs/pkcs/ | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@ radium. ncsc.mil |

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| NSA 21 | 3.0 | 2.6.3.3.1.1.2.6 | First bullet, RSA Laboratories Public Key Cryptography Standard (PKCS) #1, "RSA Cryptography Standard, " version 2.0, 1 October 1998 add Hyperlink: http://www.rsalabs.com/rsalabs/pkcs/ | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 28 | 3.0 | 2.6.3.3.1.1.2.6 | Under "Emerging Standards" change FIPS PUB 140-1 "Security Requirements for Cryptographic Modules", 11 January 1994 {DOD X.509 Certificate Policy specifies the FIPS 140-1 security levels required for PKI users, RAs and CAs} to: Draft FIPS PUB 140-2, "Security Requirements for Cryptographic Modules", 18 November 1999. | FIPS PUB 140-1 is not emerging; Draft FIPS PUB 140-2 is. (See NSA 22.) | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 22 | 3.0 | 2.6.3.3.1.1.2.6 | Second bullet, FIPS PUB 140-1, "Security Requirements for Cryptographic Modules," 11 January 1994. {DOD X.509 Certificate Policy specifies the FIPS 140-1 security levels required for PKI users, RAs, and CAs}, replace with, Draft FIPS PUB 140-2, "Security Requirements for Cryptographic Modules", November 18, 1999. Change Hyperlink to: http://csrc.nist.gov/cryptval/ | FIPS PUB 140-1 is not emerging; Draft FIPS PUB 140-2 is as indicated in the following announcement: November 18, 1999: NIST announces _HYPERLINK "http://csrc.nist.gov/fips/dfips140-2.pdf"_ [_HYPERLINK "http://csrc.nist.gov/fips/dfips140-2.doc"_]. This begins a 90-day public comment period on the draft standard, which is intended to supersede FIPS 140-1. Public comments may be sent to _HYPERLINK "mailto:Proposed140-2@nist.gov"_. The deadline for submitting comments is February 15, 2000." | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 23 | 3.0 | 2.6.3.3.1.1.2.6 | Third bullet, Draft FIPS PUB 46-3, "Data Encryption Standard," add Hyperlink: http://csrc.nist.gov/cryptval | All other standards are Hyperlinked where possible. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NSA 24 | 3.0 | 2.6.3.3.2.1 | The 6th paragraph beginning with "IETF RFC 2406" should be combined with the | The first sentence in paragraph 6 is almost | | | H.Staton (SPARTA) | Sheila Brand (NSA) |

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| | | | preceding paragraph which also discusses IETF RFC 2406. Delete “IETF RFC 2406 IP Encapsulating Security Payload (ESP)” from paragraph 6. Move the date “November 1998” to paragraph 5 after “Payload (ESP),” | identical to the first sentence in paragraph 5. Since these two paragraphs talk about the same thing they should be combined for clarity. | | | 410-381-9400 x238 hal_staton@columbia.sparta.com | sbrand@radium.ncsc.mil |
| NSA 25 | 3.0 | 2.6.3.3.2.1 | Delete the second paragraph from the end of this section beginning with “Two IEEE LAN security standards are emerging:” including the references to the three IEEE 802.10 standards. | This section is a duplicate of the standards listed in Section 2.6.3.3.1.1.1 Security Protocols. If they remain in Section 2.6.3.3.2.1. Internetworking Security Standards, then see NSA 17 for the proper wording. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| TRANSCOM 23 | 3.0 | 2.6.3.5 | Change last paragraph "Refer to Section 2.6.3.3.1.1.2 for information pertaining to FIPS PUB 196, Entity Authentication Using Public Key Cryptography, 18 February 1997." to read, "Refer to Section 2.6.3.3.1.1.2 for information pertaining to Medium-Assurance Public-Key Infrastructure Security Standards. | Last sentence states; There is no reference to FIPS PUB 196 in section 2.6.3.3.1.1.2. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| NIMA 4023 | 3.0 | APP A | Acronyms Delete DCA, GKS, VIMAS SDE, and Y2K | Old and obsolete acronyms not used within JTA 3.0 | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NSA 26 | 3.0 | APP B | Change title of Appendix B to “List of Mandated and Emerging Standards Introduction” | Appendix B contains both mandated standards and emerging standards in the tables. Appendix C contains the Sources. Also, Section 1.2.4 Appendices (Appendix A,B,C,D,E,F) defines Appendix B as a “List of Mandated and Emerging Standards.” | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NIMA 4027 | 3.0 | APP C | Document Sources Eliminate reference to 'Y2K' | Now Obsolete | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4026 | 3.0 | APP C | Document Sources Eliminate reference to 'DCA' | Obsolete | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| NIMA 4025 | 3.0 | APP C | Document Sources Information on UML is | Incorrect source | | | Andrew | Andrew |

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| | | | available from the Object Management Group (OMG), not Rational. There web site is www.omg.org | | | | Sellman | Sellman SellmanA@nima.mil |
| NIMA 4024 | 3.0 | APP C | Document Sources Eliminate reference to 'AB' | Obsolete | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| TRMWG 02 | 3.0 | APP C | Add in first column: "DoD TRM"; add to 2nd column: "DoD TRM Version 1.0, 5 Nov 1999", and add following text: "The DoD Technical Reference Model (TRM) may be obtained from the DISA Center for Information Standards web page". In 3rd column add the URL reference: "http://www.itsi.disa.mil" | Information source is missing from the JTA document for individuals requesting the document. | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 03 | 3.0 | APP D | Add correct DoD TRM document to Appendix D: References with correct version and date are same as DISA 01. | To ensure that correct version number and date of TRM is properly referenced. If it is included here, then this serves as a reference if one of the numerous citing of the TRM in the JTA document has not been corrected. | | | TRMWG Chair | wongw@ncr.disa.mil |
| DISA 29 | 3.0 | APP D | Add the trademark designations as appropriate throughout Appendix D. | These are required to prevent legal problems. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| TRMWG 07 | 3.0 | APP F | In Glossary Item "Configuration Management," change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as "TRMWG 01" | | | TRMWG Chair | wongw@ncr.disa.mil |
| DISA 13 | 3.0 | APP F | Add the definition in Footnote 2 of Section 1.1.5.3, p. 6, for Interconnections: "The manual, electrical, electronic, or optical communications paths/linkages between the systems. Includes the circuits, networks, relay platforms, switches, etc., necessary for effective communications." | The entry was omitted from the Appendix F in error. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 11 | 3.0 | APP F | Add 'Appendix F: Glossary' and page number 347 to the Table of Contents. | Omitted in error. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| TRMWG 06 | 3.0 | APP F | In Glossary Item "Commercial off-the-shelf"," change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as "TRMWG 01" | | | TRMWG Chair A | wongw@ncr.disa.mil |
| TRMWG 08 | 3.0 | APP F | In Glossary Item "External Environment Interface," change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as "TRMWG 01" | | | TRMWG Chair | wongw@ncr.disa.mil |

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| TRMWG 09 | 3.0 | APP F | In Glossary Item “Institute of Electrical and Electronics Engineers,” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 10 | 3.0 | APP F | In Glossary Item “Legacy Environments” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 11 | 3.0 | APP F | In Glossary Item “Legacy Systems,” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 13 | 3.0 | APP F | In Glossary Item “Standards Profile,” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 04 | 3.0 | APP F | In Glossary Item “Application Software Entity,” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 05 | 3.0 | APP F | In Glossary Item “Architecture,” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRMWG 12 | 3.0 | APP F | In Glossary Item “Portability,” change date and version of DoD TRM to Version 1.0, 5 November 1999 | See/Same as “TRMWG 01” | | | TRMWG Chair | wongw@ncr.disa.mil |
| TRANSCOM 24 | 3.0 | C4ISR.NCC.2 | Entire section does not identify service areas for listed standards. Add appropriate service areas. | Each standard should be associated with a service area. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 25 | 3.0 | C4ISR.NCC.2.5.3 | Change the second sentence to read "To reduce training requirements, the standard……." | Provides clarification. Training can be reduced any number of ways independent of training requirements. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| NRO 4004 | 3.0 | C4ISR.SR 2.2.3.1 | Add section 2.2.3.1.2 Geospatial Coordinate Transformation Service , add the following text: “This service provides definition of earth-based, space-based and vehicle-based coordinate systems and defines the transformations associated with these systems.” | New service area parsing concept for “Application Software Entity” into sub-sections. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4003 | 3.0 | C4ISR.SR 2.2.3.1 | Add section 2.2.3.1.1 Information Operations Applications Interchange | New service area parsing concept for “Application | | | Bowser | Bowser Samuel.E.Bo |

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| | | | Service, add the following text: "Information Operations Applications is the service dealing with applications that support the Intelligence Missions in the areas of offensive and defensive information warfare." | Software Entity" into sub-sections. | | | | wser@aero.org |
| NRO 4006 | 3.0 | C4ISR.SR 2.2.3.1.2 | Add "NRO, E1018A, MPS Geometric Math Model." And the following text: "E1018A, MPS Geometric Math Model is a joint requirements document with NRO and NIMA imaging applications which defines geometric relationships for common use." | recommended emerging standard for section 2.2.3.1.2 | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4005 | 3.0 | C4ISR.SR 2.2.3.1.2 | Add "NRO, S1011D, Coordinates, Definitions and Notations. 23 November 1999" and the following text: "S1011D, Coordinates, Definitions and Notations define coordinate systems and coordinate transformations for use by imaging systems." | recommended emerging standard for section 2.2.3.1.2 | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4007 | 3.0 | C4ISR.SR 2.2.3.1.2 | Add "NRO, D2011B, Coordinates, Transformations and Engineering Data Specification. 18 May 1998" And add the following text: "D2011B, Coordinates, Transformations and Engineering Data Specification defines coordinate systems and transformations for use by the NRO systems." | recommended emerging standard for section 2.2.3.1.2 | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| USAF 25 | 3.0 | C4ISR.SR. 1.1 | Space Reconnaissance Subdomain Annex, Paragraph C4ISR.SR.1.1, Line 4. COMMENT: The paragraph states that the definition of IT is found in JTA Appendix A. The correct reference should be JTA Appendix F. | Provide correct reference information | | | ESC/NDSR (DRC), Mr. John W Wurts | Jeffery Keith Keith.Jeffery@scott.af.mil |
| USAF 26 | 3.0 | C4ISR.SR. 1.5 | Delete "Integrated" in all three of the places it appears in this section. | The DoD TRM is described in Figure 2.1-1 as the "DoD Technical Reference Model (DoD TRM)." There is no "unintegrated" DoD TRM to contrast with, so the modifier is inappropriate. | | | [SMC/AX-Kerner-9] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| USAF 27 | 3.0 | C4ISR.SR. 1.5.1 | Delete "Integrated" in all three of the places it appears in this section. | The DoD TRM is described in Figure 2.1-1 (referenced in this section) as the "DoD Technical Reference Model (DoD TRM)". There is no | | | [SMC/AX-Kerner-10] SMC/AXE-Aerospace, Ms Judy | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | | "un-integrated" DoD TRM to contrast with, so the modifier is inappropriate. | | | Kerner | |
| DISA 23 | 3.0 | C4ISR.SR.1.5.2 | Move Figure C4ISR-SR-1 to landscape orientation on a single page. | The figure is currently unreadable. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| TRANSCOM 26 | 3.0 | C4ISR.SR.2 | Entire section does not identify service areas for listed standards. Add appropriate service areas. | Each standard should be related to a service area. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| NRO 4039 | 3.0 | C4ISR.SR.2.2.2.1 | Add section "C4ISR.SR.2.2.2.1 Data Base Management Services" and add the following text: "The data management services provide for the independent management of data shared by multiple applications. These services support the definition, storage, and retrieval of data elements from Database Management Systems (DBMSs). Central to most systems is the sharing of data between applications." " | New service area definition that introduces new standard services | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4040 | 3.0 | C4ISR.SR.2.2.2.1 | Add section "C4ISR.SR.2.2.2.1.1 Relational Database Management Systems " and text as follows: "ODBC is designed for interoperability allowing applications to access different database management systems with the same source code. Database applications call functions in the ODBC interface, which are implemented in database-specific modules called drivers. The use of drivers isolates applications from database-specific calls, which are loaded at run time making it unnecessary to recompile or re-link the applications. Open Database Connectivity version 2 usage is allowed in situations where the capabilities supported by ISO/IEC 9075-3 cannot satisfy user functional requirements." and add the following standard: "Microsoft ODBC 2.0 Programmer's Reference and SDK Guide, Redmond: Microsoft Press" )" | New service area definition that introduces new standard services and new recommended standard. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4001 | 3.0 | C4ISR.SR. | Delete current text. | The text is OBE. | | | Bowser | Bowser |

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| | | 2.2.3 | | | | | | Samuel.E.Bowser@aero.org |
| NRO 4041 | 3.0 | C4ISR.SR.2.2.3 | Delete current text. | The text no longer applies due to changes following. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4002 | 3.0 | C4ISR.SR.2.2.3 | Add the following Service Area "C4ISR.SR.2.2.3.1 Application Software Entity "and add the following text "Application Software Entity services encompass both mission-area applications and support applications. Mission-area applications implement specific users requirements and needs (e.g., personnel, material, management). This application software may be COTS, GOTS, custom-developed software, or a combination of these. Common support applications (e.g., e-mail and word processing) are those that can be standardized across individual or multiple mission areas. The services they provide can be used to develop mission-area-specific applications or can be made available to the user. " | New service area definition that introduces two new emerging standard services | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| NRO 4042 | 3.0 | C4ISR.SR.2.2.3.1 | Add the following section: C4ISR.SR.2.2.3.1 "Relational Database Management Systems " Add the following text: "ODBC is designed for interoperability allowing applications to access different database management systems with the same source code. ODBC version 3.0 aligns with, and is a superset of, the Open Group and ISO SQL/Call-Level Interface standards. ODBC 3.0 provides non-standard extensions including: 1) descriptor, a data structure that holds information about either columns in a result set or dynamic parameters in an SQL statement; 2) improved diagnostics and error handling; 3) environment attribute, with functions that get and set DBMS application environment parameters; and 4) new extensible functions to manipulate descriptors and enhanced diagnostics. ODBC is backward compatible with ODBC version 2.X. Developers using ODBC 3.0 | Recommend emerging standard for complete coverage of service area. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |

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| | | | should employ appropriate programming methods to ensure application security (Note: reference the website:http://www.microsoft.com/data/odbc/wpapers/odbcsecurity.htm). " and add the following new standard: "Microsoft ODBC 3.0 Software Development Kit and Programmer's Reference, Redmond: Microsoft Press, 26 February 1997, ISBN 1-57231-516-4" | | | | | |
| DISA 38 | 3.0 | C4ISR.SR.2.3.2.1 | The following interfaces are called out and It appears that there are different versions of this interface being called out throughout this document. We need to pick the correct specification to cite. EIA-422B, EIA-449, and EIA/TIA-232-f See also: 2.3.2.2.2.2 Table 2.2-2 | Uniformity between domains and hardware specification interfaces. EIA RS-422 is potentially out of date | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| USAF 28 | 3.0 | C4ISR.SR.2.5.3 | Revise the following: "This version of the SRSA does not identify any emerging standards for human-computer interfaces. An ongoing effort by the NRO will identify any emerging standards for future versions of the JTA." to reflect the USAF/AFSPC standardized HMI conventions and screen designs for satellite control, as follows: "A joint USAF Human Machine Interface (HMI) Review Board, co-chaired by the Space and Missile Center's Chief Engineer (SMC/AXE) and Space Command's Directorate of Requirements (AFSPC/DRE), developed and approved HMI conventions and display templates for implementation across all USAF satellite programs. Formal standardization approaches for these conventions (presently available as USAF SMC contract deliverables) are currently under investigation. Currently implemented by several USAF satellite programs in both commercial and purpose-built software, further investigations of commercial product conformance are underway to evaluate more comprehensive exploitation of commercial products. The following standards are emerging: - DM 10146-002, Satellite Operations Human Machine Interface (HMI) Conventions (Revision 1), | A joint USAF Human Machine Interface (HMI) Review Board, co-chaired by the Space and Missile Center's Chief Engineer (SMC/AXE) and Space Command's Directorate of Requirements (AFSPC/DRE), developed and approved HMI conventions and display templates for implementation across all USAF satellite programs. These should be referenced as emerging standards. | | | [SMC/AX-Shaw-5] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | Lockheed-Martin Federal Systems, 1998 - DM 10150, Developer's Style Guide for the Satellite Operations Human Machine Interface (HMI) Conventions (Revision 1), Lockheed-Martin Federal Systems, 1998 - DM 10149, Screen Design Library for the Satellite Operations Human Machine Interface (HMI) Conventions (Revision 1), Lockheed-Martin Federal Systems, 1998 An ongoing effort by the NRO will identify any NRO-unique emerging standards for future versions of the JTA." | | | | | |
| TRANSCOM 27 | 3.0 | CS.1.6 | Change in second sentence, "…..and CS.3 is reserved for those mandates for combat support….." to read "……and CS.3 is reserved for those mandated and emerging standards for combat support……." | CS.3 includes both mandated and emerging standards. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| DISA 32 | 3.0 | CS.2.2.2.3 | Add "as profiled by MIL-PRF-28000B" to the end of the first bullet (PRO)-100-1996 | MIL _STD is now complete and represents the option that DOD should use. Eliminate it as an emerging specification. | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| TRANSCOM 32 | 3.0 | CS.2.2.2.3 | Remove "ISO/IEC 10303-1:1994, Standards for the Exchange of Product Model Data (STEP), Part 1:Overview and Principals" from the Emerging Standard column. | ISO/IEC 10303-1 is not located in this section. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 28 | 3.0 | CS.2.2.2.3 | Change second sentence "The ANSI/US PRO/IPO-100-1993……" to read " The ANSI/US PRO/IPO-100-1996……." | Date in paragraph text should agree with standard citation date. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 34 | 3.0 | CS.2.2.2.3 | Replace "ANSI/US Product Data Association (PRO)-100-1996, V5.3, 23 April 1996" with "ANSI/US Product Data Association (PRO)-100-1996, Initial Graphics Exchange Specification (IGES), V5.3, 23 September 1996." | Change reflects the correct citation. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |

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| TRANSCOM 33 | 3.0 | CS.2.2.2.3 | Add "ISO/IEC 10303-1:1994, Standards for the Exchange of Product Model Data (STEP), Part 1:Overview and Principles" to the Previously Mandated column. | ISO/IEC 10303-1:1994 was mandated in JTA V2. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 29 | 3.0 | CS.2.2.2.4 | Change "ISO UN/EDIFACT, as profiled by FIPS PUB 161-2, Electronic Data Interchange, 22 May 1996." To read "ISO 9735, UN/EDIFACT Application Level Syntax Rules, Part 1-9, 1998/9, as profiled by FIPS PUB 161-2, Electronic Data Interchange, 22 May 1996. | Provides more specific citation and date and is consistant with JECPO EB/EC Architecture. | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 36 | 3.0 | CS.2.2.2.5 | Remove all references to MIL-STD-2549. | Same as above. | | | Tom Parry, OUSD(A,T&L)/SA/SE 703-695-2300, PARRYTJ@acq.osd.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| TRANSCOM 35 | 3.0 | CS.2.2.2.5 | Remove all references to MIL-STD-2549 by deletion of this section in its entirety. | Rationale-On December 13, 1999 the OUSD(A,T&L) Systems Engineering Steering Group (SESG) directed cancellation of MIL-STD-2549. The reason for cancellation was that MIL-STD-2549 mandates the use of obsolete technology and contains requirements that run contrary to Acquisition Reform and Logistics Reinvention. This change is submitted by OUSD(A,T&L)/SA/SE which is responsible for MIL-STD-2549 as the Lead Standardization Activity (LSA) and Preparing Activity for this standard. | | | Tom Parry, OUSD(A,T&L)/SA/SE 703-695-2300, PARRYTJ@acq.osd.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| DISA 33 | 3.0 | CS.2.2.3.1 | Delete MIL-PRF-28000B from this section pending the acceptance of DISA 30 which moves it into the mandated section. | To eliminate entry that has been moved to the mandated section | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| ATSEA 19 | 3.0 | CS.ATS.2.2.3.1.1 | Replace: | Clarification. | | | DoD ATS Executive | Dan Zimmermann |

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| | | | The Resource Adapter Interface (RAI) is the interface between the generic instrument classes serving the test procedure or runtime services and the instrument driver. The service requests crossing this interface are communications between the TPS requirements (e.g., measure voltage of a sine wave) and generic ATS assets (e.g., digital multimeters, waveform generators, and power supplies). DoD is working to steer IEEE 1226, the VXIplug&play Systems Alliance, and the Interchangeable Virtual Instruments Foundation, toward a common solution.<br><br>With:<br><br>The Resource Adapter Interface (RAI) is a key element in the Environment for Test that converts signal descriptions from the TPS or runtime environment to instrument specific descriptions. The service requests that cross this interface map TPS requirements (e.g. measure voltage of a sine wave) to generic ATS assets (e.g. digital multimeters, waveform generators, and power supplies). The RAI allows for a higher degree of instrument interchangeability than is currently available (interchangeability of instrument drivers as well as instruments). The RAI allows for more complete independence of TPSs from ATE instruments by providing the ability to identify signal requirements in TPSs instead of instrument specific functions or commands that would tie the TPS to a specific instrument. This key element also allows virtual instruments to be developed by providing a high degree of instrument independence.<br><br>DoD is working with industry consortiums such as the VXIplug&play Systems Alliance and the Interchangeable Virtual Instruments Foundation to develop a common solution. | | | | Agent Office JTADG Liaison: Dan Zimmermann | Daniel.Zimmermann@kelly.af.mil |
| ATSEA 21 | 3.0 | CS.ATS.2. | Delete IEEE 1226.11-1998 ABBET Test | After publication of JTA | | | DoD ATS | Dan |

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| | | 2.3.1.1 | Resource Information Model as an emerging standard. | version 3.0, industry and DoD representatives to the IEEE 1226 committee directed their resources towards the development of other standards in the ATS Annex. The affected standards include IEEE 1226.3-1998 (Software Interfaces for Resource Management Services) and IEEE P1226.11-1998 (ABBET Test Resource Information Model). The ATS EA may request that this standard be added back if work resumes on the standard and it appears that it will be ready for mandate within three years. | | | Executive Agent Office JTADG Liaison: Dan Zimmermann | Zimmermann Daniel.Zimmermann@kelly.af.mil |
| ATSEA 20 | 3.0 | CS.ATS.2.2.3.1.1 | Delete IEEE 1226.3-1998 ABBET Resource Management Services as an emerging standard. | After publication of JTA version 3.0, industry and DoD representatives to the IEEE 1226 committee directed their resources towards the development of other standards in the ATS Annex. The affected standards include IEEE 1226.3-1998 (Software Interfaces for Resource Management Services) and IEEE P1226.11-1998 (ABBET Test Resource Information Model). The ATS EA may request that this standard be added back if work resumes on the standard and it appears that it will be ready for mandate within three years. | | | DoD ATS Executive Agent Office JTADG Liaison: Dan Zimmermann | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |
| ATSEA 22 | 3.0 | CS.ATS.2.2.3.1.3 | Delete this section. | After publication of JTA version 3.0, industry and DoD representatives to the IEEE 1226 committee directed their resources | | | DoD ATS Executive Agent Office JTADG Liaison: Dan | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |

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| | | | | towards the development of other standards in the ATS Annex. The affected standards include IEEE 1226.3-1998 (Software Interfaces for Resource Management Services) and IEEE P1226.11-1998 (ABBET Test Resource Information Model). The ATS EA may request that this section be added back if work resumes on these standards and it appears that they will be ready for mandate within three years. The requirement for this interface still exists but an emerging standard in accordance with the JTADG definition is not available at this time. | | | Zimmermann | |
| ATSEA 23 | 3.0 | CS.ATS.2.2.3.1.4 | Delete this section. | After publication of JTA version 3.0, industry and DoD representatives to the IEEE 1226 committee directed their resources towards the development of other standards in the ATS Annex. The affected standards include IEEE 1226.3-1998 (Software Interfaces for Resource Management Services) and IEEE P1226.11-1998 (ABBET Test Resource Information Model). The ATS EA may request that this section be added back if work resumes on these standards and it appears that they will be ready for mandate within three years. The requirement for this interface still exists but an emerging standard in | | | DoD ATS Executive Agent Office JTADG Liaison: Dan Zimmermann | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |

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| | | | | accordance with the JTADG definition is not available at this time. | | | | |
| ATSEA 24 | 3.0 | CS.ATS.2.2.3.1.5 | Delete this section. | After publication of JTA version 3.0, industry and DoD representatives to the IEEE 1226 committee directed their resources towards the development of other standards in the ATS Annex. The affected standards include IEEE 1226.3-1998 (Software Interfaces for Resource Management Services) and IEEE P1226.11-1998 (ABBET Test Resource Information Model). The ATS EA may request that this section be added back if work resumes on these standards and it appears that they will be ready for mandate within three years. The requirement for this interface still exists but an emerging standard in accordance with the JTADG definition is not available at this time. | | | DoD ATS Executive Agent Office JTADG Liaison: Dan Zimmermann | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |
| ATSEA 26 | 3.0 | CS.ATS.2.3.2.1 | Delete this section. | After further analysis, it was decided that it isn't feasible or desirable to eliminate User Datagram Protocol (UDP) from ATS networks. The networking standards in the JTA core are mandated for ATS. | | | DoD ATS Executive Agent Office JTADG Liaison: Dan Zimmermann | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |
| ATSEA 25 | 3.0 | CS.ATS.2.3.3.4 | Delete this section. | After publication of JTA version 3.0, industry and DoD representatives to the IEEE 1226 committee directed their resources towards the development of other standards in the ATS Annex. The affected | | | DoD ATS Executive Agent Office JTADG Liaison: Dan Zimmermann | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |

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| | | | | standards include IEEE 1226.3-1998 (Software Interfaces for Resource Management Services) and IEEE P1226.11-1998 (ABBET Test Resource Information Model). The ATS EA may request that this section be added back if work resumes on these standards and it appears that they will be ready for mandate within three years. The requirement for this interface still exists but an emerging standard in accordance with the JTADG definition is not available at this time. | | | | |
| ATSEA 27 | 3.0 | CS.ATS.3.3.2.1 | Delete this section. | After further analysis, it was decided that it isn't feasible or desirable to eliminate User Datagram Protocol (UDP) from ATS networks. The networking standards in the JTA core are mandated for ATS. | | | DoD ATS Executive Agent Office JTADG Liaison: Dan Zimmermann | Dan Zimmermann Daniel.Zimmermann@kelly.af.mil |
| NSA 29 | 3.0 | EXECUTIVE SUMMARY | Third paragraph, second sentence. Change to read "Wherever possible, they are commercially supported and validated commercial off-the-shelf (COTS) implementations and available from multiple vendors." | Original sentence structure incorrect. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NIMA 4028 | 3.0 | GENERAL | Organization of JTA is not consistent with the new DoD TRM 1.0. The DoD Technical Reference Model provides a framework for describing the various functionalities of generic DoD information systems. The organization of the JTA core and subdomain annexes should be reformatted to more closely match the DoD TRM. Recommend the JTA document be reformatted to match the DoD TRM service/interface structure for JTA 4.0. Else, delete the DoD TRM section from the base JTA 4.0 document and make | The time to implement the new DoD TRM is now; while JTA 4.0 is still early in development and there is still over a year to do the restructuring. Else, there is unlikely to have an approved JTA using the DoD TRM until sometime in late 2002 or early 2003, using the current 15-month schedule as a model. | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| | | | it an informational Appendix. | | | | | |
| DISA 35 | 3.0 | GENERAL | IETF standards 5,7,8 have double entries in this table . Check spacing to see if some automatic thing happened based on formatting of these entries | Eliminate duplication | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 28 | 3.0 | GENERAL | Add the standard text for use of trademarks, registered trademarks, copyrights, etc. to the inside front cover. | This statement is required to prevent legal problems. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 25 | 3.0 | GENERAL | Change the version number to a whole number (from 4.0 to 4, 4.0 D1 to 4D1) | Interim versions are not planned. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 24 | 3.0 | GENERAL | Eliminate the designation of 'Annex' throughout the JTA. Only refer to 'Domains and Subdomains.' | 'Annex' means 'to append or attach.' The subdomains are a part of the document, not an addition. | | | Doris Bernardini | Fritz Schulz SchulzF@ncr.disa.mil |
| DISA 22 | 3.0 | GENERAL | Change all IETF RFCs so that they have a "-" in the format (ex. RFC-1770) | Global: Editorial: I believe all IETF RFCs should be of the format above. Half of the RFCs do not have a Hyphen in the JTA V3. | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| BMDO 102 | 3.0 | GENERAL | Request subgroups to examine the JTA 3.0 to see if the most complicated section numbering can be simplified. | The JTA's subsection organization is excessively complex. | | | David Wheeler | David Wheeler David Wheeler@ida.org |
| BMDO 100 | 3.0 | GENERAL | Renumber JTA 3.0 top-level sections to reduce the number of heading levels. Move 2.0, 2.1, and 2.1.2.1, and 2.1.3 into 1.0. Move 2.2 into 2, 2.3 to 3, 2.4 to 4, 2.5 to 5, 2.6 to 6. Move 2.1.2.2 (policy mandates) into its own section (section 7). Renumber the subdomains to match. | JTA 3.0 section numbering is too complex. In some cases it is 9 levels deep (e.g., 2.2.2.2.1.4.6.1.1). This is difficult on both humans and tools (e.g., HTML only permits 7 levels). By moving 2.2 into 2, 2.3 into 3, and so on, it will be easier for humans to transition to the new numbering scheme (indeed, the scheme will become equivalent to the original JTA numbering scheme). This particular change simplifies the entire document by eliminating one level almost everywhere. Note that JTA 3.0 only has sections 1 and 2, a strange | | | David Wheeler | David Wheeler David Wheeler@ida.org |

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| | | | | organization, and will not have sections for hydraulics (etc.) as originally anticipated by many. Note that this is very similar to the DISA-proposed "JTA 4.0" draft produced in 1999, except that 2.1.2.2 is moved into its own section at the end to simplify human transition. | | | | |
| NRO 4075 | 3.0 | GENERAL | JTA sections should be renumbered so that the Core document conforms to the numbering scheme used in JTA version 1.0. Section 2 should include only Information Processing, current section 2.3 should become section 3, etc. Removing the "2." From each number in the current section 2 will solve this issue. | The renumbering will in fact simplify the JTA number system and made the document more readable by reducing the depth of the numbering system. | | | Bowser | Bowser Samuel.E.Bowser@aero.org |
| USAF 29 | 3.0 | GENERAL | Recommend use of change bars to quickly and clearly identify changes from one version to another. This will save reviewers time and permit implementers to quickly identify new items. The time reviewing the document to identify changes is costly and the use of change bars would reduce the cost impact. | Improve review process and impact analysis. | | | ESC/NDSR (DRC), Mr. John W Wurts | Jeffery Keith Keith.Jeffery@scott.af.mil |
| NRO 4045 | 3.0 | MS.GV.3.1 | Delete "The GOA Framework depicted by the TRM Interfaces View of figure WS-2." From the first sentence and replace with "The Interfaces View of the DoD TRM depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with Interface View". | The framework depicted by the TRM interfaces view was adapted from GOA, but it has been modified to meet the requirements of the DoD TRM so the framework in the TRM is not the GOA framework. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| NSA 05 | 3.0 | Section 2.6.2.3.1.1 .1 | Third bullet, FIPS PUB 185, SKIPJACK: Add Hyperlink: http://csrc.nist.gov/encryption/skipjack-kea.htm | Current Hyperlink is incorrect; hyphen missing between skipjack and kea. | | | H.Staton (SPARTA) 410-381-9400 x238 hal_staton@columbia.sparta.com | Sheila Brand (NSA) sbrand@radium.ncsc.mil |
| NIMA 4009 | 3.0 | Table of contents | Page xviii, Table of Contents: Appendix F: Glossary is not listed in the JTA Table of Contents. | | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |

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| USAF 31 | 3.0 | WS.1.4 | Weapon System Domain Annex, Para 1.4. Bulleted list at end of the sub section, COMMENT: Make the title for the Missile Systems subdomain n Bold printing as the other paragraph titles. | Correct format error. | | | ESC/NDSR (DRC), Mr. John W Wurts | Jeffery Keith Keith.Jeffery @scott.af.mil |
| DISA 34 | 3.0 | WS.2.2.3.1 | Move IEEEP1003.5c, and move the citation “IEEE 1003.5c POSIX-Part 1:Bindingfor API – Amendment 2: Protocol Independent Interfaces, December 1998 | Standard has been approved | | | John Davies | Fritz Schulz SchulzF@ncr.disa.mil |
| NRO 4051 | 3.0 | WS.3.1 | Delete “The GOA Framework depicted by the TRM Interfaces View of figure WS-2.” From the first sentence and replace with “The Interfaces View of the DoD TRM depicted in Figure 2.1-1,” and in the next sentence, replace “Framework” with Interface View”. | The framework depicted by the TRM interfaces view was adapted from GOA, but it has been modified to meet the requirements of the DoD TRM so the framework in the TRM is not the GOA framework. The figure WS-2 does not exist in WS, but the figure is located at Figure 2.1-1. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| USAF 32 | 3.0 | WS.3.1 | Change: "The GOA Framework depicted by the TRM Interfaces View of Figure WS-2" To "The Interfaces View of the DoD TRM, depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with "Interfaces View". | There is no Figure WS-2 - the DoD TRM is depicted in Figure 2.1-1. The GOA Framework is described in Section WS.1.5.1 DoD TRM Views as the basis of the Interfaces View, but the Interfaces View in the DoD TRM has been updated to better reflect DoD needs. | | | [SMC/AX-Kerner-4] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery @scott.af.mil |
| NIMA 4035 | 3.0 | WS.3.5.3 | Emerging Standards. There are open issues with DoD and the Federal Government over how to implement ATSC Document A/53 and how to handle current problems with Terrestrial Broadcast Mode. There are proposals to replace the current 8 VSB because of poor reception in urban or remote environments The A/53 reference may need to be updated or removed from this section of the JTA while a single solution is arrived at. Another option may be to see if DoD or the FCC releases an update that could be referenced. | | | | Andrew Sellman | Andrew Sellman SellmanA@nima.mil |
| USAF 33 | 3.0 | WS.GV.3.1 | Change: "The GOA Framework depicted by the TRM Interfaces View of Figure WS-2" To | There is no Figure WS-2 - the DoD TRM is depicted in | | | [SMC/AX-Kerner-5] | Jeffery Keith Keith.Jeffery |

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| | | | "The Interfaces View of the DoD TRM, depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with "Interfaces View". Note: this wording is identical to wording in WS.3.1, for which a similar comment has been submitted. | Figure 2.1-1. The GOA Framework is described in Section WS.1.5.1 DoD TRM Views as the basis of the Interfaces View, but the Interfaces View in the DoD TRM has been updated to better reflect DoD needs. | | | SMC/AXE-Aerospace, Ms Judy Kerner | @scott.af.mil |
| TRANSCOM 30 | 3.0 | WS.MD.2.5.2.1 | Remove section | MIL-DTD-2525B is already in core. See para. 2.5.2.3 | | | Ron Malburg, USTC J6-A, DSN 576-1682, Ronald.Malburg@hq.transcom.mil | Ray Mosman, Ray.mosman@hq.transcom.mil |
| USAF 34 | 3.0 | WS.MS.3.1 | Change: "The GOA Framework depicted by the TRM Interfaces View of Figure WS-2" To "The Interfaces View of the DoD TRM, depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with "Interfaces View". Note: this wording is identical to wording in WS.3.1, for which a similar comment has been submitted. | There is no Figure WS-2 - the DoD TRM is depicted in Figure 2.1-1. The GOA Framework is described in Section WS.1.5.1 DoD TRM Views as the basis of the Interfaces View, but the Interfaces View in the DoD TRM has been updated to better reflect DoD needs. | | | [SMC/AX-Kerner-6] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery@scott.af.mil |
| NRO 4046 | 3.0 | WS.MS.3.1 | Delete "The GOA Framework depicted by the TRM Interfaces View of figure WS-2." From the first sentence and replace with "The Interfaces View of the DoD TRM depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with Interface View". | The framework depicted by the TRM interfaces view was adapted from GOA, but it has been modified to meet the requirements of the DoD TRM so the framework in the TRM is not the GOA framework. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| NRO 4047 | 3.0 | WS.MUS.3.1 | Delete "The GOA Framework depicted by the TRM Interfaces View of figure WS-2." From the first sentence and replace with "The Interfaces View of the DoD TRM depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with Interface View". | The framework depicted by the TRM interfaces view was adapted from GOA, but it has been modified to meet the requirements of the DoD TRM so the framework in the TRM is not the GOA framework. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| USAF 35 | 3.0 | WS.MUS.3.1 | Change: "The GOA Framework depicted by the TRM Interfaces View of Figure WS-2" To "The Interfaces View of the DoD TRM, depicted in Figure 2.1-1," and in the next | There is no Figure WS-2 - the DoD TRM is depicted in Figure 2.1-1. The GOA Framework is described in | | | [SMC/AX-Kerner-7] SMC/AXE-Aerospace, | Jeffery Keith Keith.Jeffery@scott.af.mil |

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| | | | sentence, replace "Framework" with "Interfaces View". Note: this wording is identical to wording in WS.3.1, for which a similar comment has been submitted. | Section WS.1.5.1 DoD TRM Views as the basis of the Interfaces View, but the Interfaces View in the DoD TRM has been updated to better reflect DoD needs. | | | Ms Judy Kerner | |
| USAF 36 | 3.0 | WS.SS.2.5 | Add the definition from WS.2.5, second sub-paragraph for “time criticality” into the definition appendix (F) | Clarity and format consistency | | | ESC/NDSR (DRC), Mr. John W Wurts | Jeffery Keith Keith.Jeffery @scott.af.mil |
| NRO 4048 | 3.0 | WS.SS.3.1 | Delete “The GOA Framework depicted by the TRM Interfaces View of figure WS-2.” From the first sentence and replace with “The Interfaces View of the DoD TRM depicted in Figure 2.1-1,” and in the next sentence, replace “Framework” with Interface View”. | The framework depicted by the TRM interfaces view was adapted from GOA, but it has been modified to meet the requirements of the DoD TRM so the framework in the TRM is not the GOA framework. | | | ETG | Bowser Samuel.E.Bowser@aero.org |
| USAF 37 | 3.0 | WS.SS.3.1 | Change: "The GOA Framework depicted by the TRM Interfaces View of Figure WS-2" To "The Interfaces View of the DoD TRM, depicted in Figure 2.1-1," and in the next sentence, replace "Framework" with "Interfaces View". Note: this wording is identical to wording in WS.3.1, for which a similar comment has been submitted. | There is no Figure WS-2 - the DoD TRM is depicted in Figure 2.1-1. The GOA Framework is described in Section WS.1.5.1 DoD TRM Views as the basis of the Interfaces View, but the Interfaces View in the DoD TRM has been updated to better reflect DoD needs. | | | [SMC/AX-Kerner-8] SMC/AXE-Aerospace, Ms Judy Kerner | Jeffery Keith Keith.Jeffery @scott.af.mil |